

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032720\
 Data File : VV015215.D
 Acq On : 27 Mar 2020 20:01
 Operator : SY/MD
 Sample : VSTD10066
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 28 00:30:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032720WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 28 00:27:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	670743	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	656923	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	319017	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	260881	75.67	ug/L	0.00
7) Chloroethane-d5	1.58	69	284207	81.03	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	689826	86.40	ug/L	0.00
21) 2-Butanone-d5	3.94	46	676640	189.38	ug/L	0.00
24) Chloroform-d	4.38	84	709696	90.98	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	468735	90.62	ug/L	0.00
32) Benzene-d6	5.08	84	1162814	87.59	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	435042	90.44	ug/L	0.00
41) Toluene-d8	7.34	98	1031855	86.32	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	235740	90.57	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	511261	180.15	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	768162	93.23	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	532187	90.24	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	469933	80.922	ug/L	100
3) Chloromethane	1.25	50	547937	86.725	ug/L	100
5) Vinyl chloride	1.32	62	580979	89.432	ug/L	98
6) Bromomethane	1.53	94	384896	91.710	ug/L	98
8) Chloroethane	1.60	64	368391	87.134	ug/L	98
9) Trichlorofluoromethane	1.77	101	914882	86.733	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	479247	87.597	ug/L	99
12) 1,1-Dichloroethene	2.13	96	501446	93.511	ug/L	96
13) Acetone	2.22	43	391233	158.923	ug/L #	100
14) Carbon disulfide	2.31	76	1219961	89.490	ug/L	100
15) Methyl Acetate	2.46	43	446900	88.465	ug/L	99
16) Methylene chloride	2.52	84	466612	93.114	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	421699	90.753	ug/L	98
18) Methyl tert-butyl Ether	2.79	73	1452975	92.562	ug/L	100
19) 1,1-Dichloroethane	3.21	63	790962	92.242	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	481925	92.232	ug/L #	99
22) 2-Butanone	4.02	43	657710	171.781	ug/L	87
23) Bromochloromethane	4.27	128	236480	94.182	ug/L	95
25) Chloroform	4.40	83	825858	93.102	ug/L	99
27) 1,2-Dichloroethane	5.16	62	654452	92.938	ug/L	100
29) Cyclohexane	4.70	56	683877	86.061	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	762821	92.530	ug/L	98
31) Carbon tetrachloride	4.86	117	648357	93.447	ug/L	99
33) Benzene	5.13	78	1806258	93.069	ug/L	100
34) Trichloroethene	5.94	95	477872	94.616	ug/L	98
35) Methylcyclohexane	6.15	83	708334	84.906	ug/L	99
37) 1,2-Dichloropropane	6.20	63	466035	94.100	ug/L	100
38) Bromodichloromethane	6.53	83	663379	94.267	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	766450	93.414	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	1341035	180.785	ug/L	99

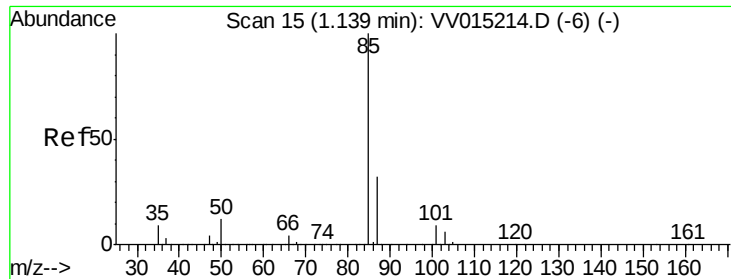
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032720\
 Data File : VV015215.D
 Acq On : 27 Mar 2020 20:01
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 Quant Title : VOC Analysis
 QLast Update : Sat Mar 28 00:27:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	2021997	93.519	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	757383	94.090	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	464125	95.163	ug/L	97
46) Tetrachloroethene	8.00	164	319397	94.312	ug/L	98
48) 2-Hexanone	8.16	43	1046458	179.324	ug/L	99
49) Dibromochloromethane	8.27	129	519149	96.964	ug/L	99
50) 1,2-Dibromoethane	8.37	107	497920	94.265	ug/L	98
51) Chlorobenzene	8.90	112	1312388	94.963	ug/L	99
52) Ethylbenzene	9.03	91	2323505	95.350	ug/L	99
53) m,p-Xylene	9.16	106	898121	96.726	ug/L	99
54) o-xylene	9.57	106	888614	95.135	ug/L	95
55) Styrene	9.58	104	1538230	97.493	ug/L	97
56) Isopropylbenzene	9.95	105	2317453	96.673	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	764333	93.521	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	617486	94.158	ug/L	99
61) Bromoform	9.75	173	341181	93.787	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	980154	92.685	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	991875	92.724	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	990145	92.403	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	203112	85.707	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	628978	92.939	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	598647	92.964	ug/L	99
69) Naphthalene	13.53	128	2420201	94.093	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	614102	95.380	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2

Dichlorodifluoromethane

Concen: 80.922 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV015215.D

Acq: 27 Mar 2020 20:01

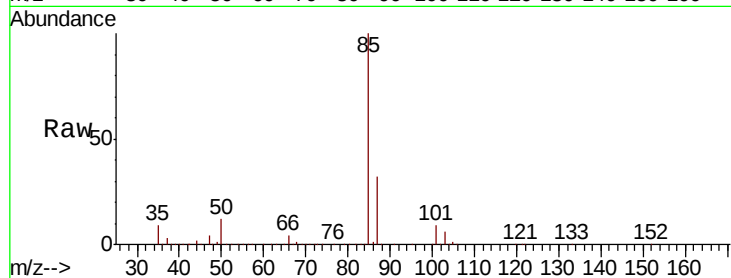
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 469933

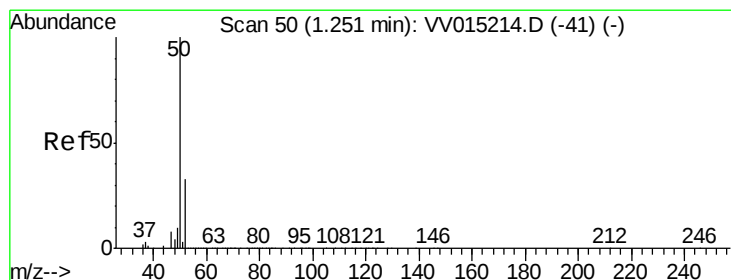
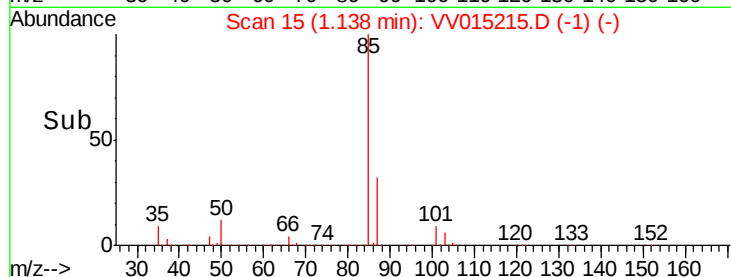
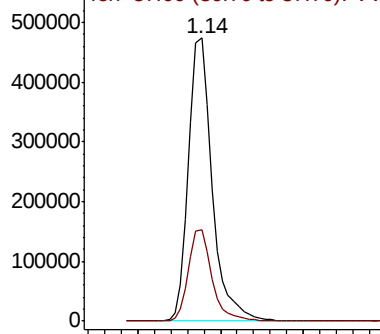
Ion Ratio Lower Upper

85 100

87 32.1 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 86.725 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV015215.D

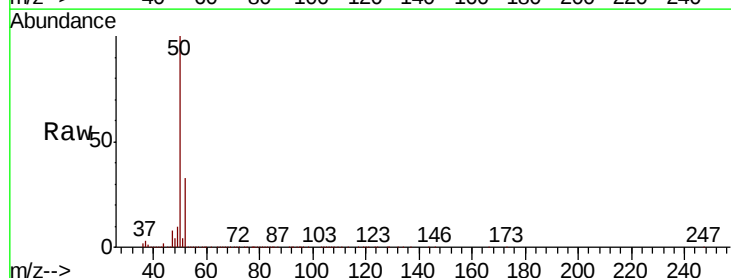
Acq: 27 Mar 2020 20:01

Tgt Ion: 50 Resp: 547937

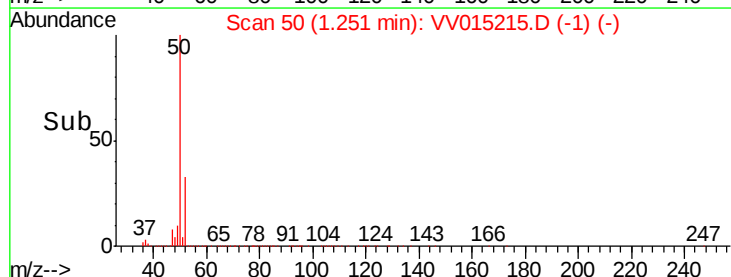
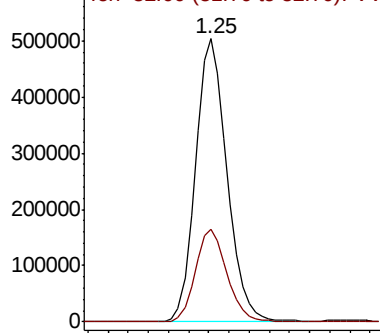
Ion Ratio Lower Upper

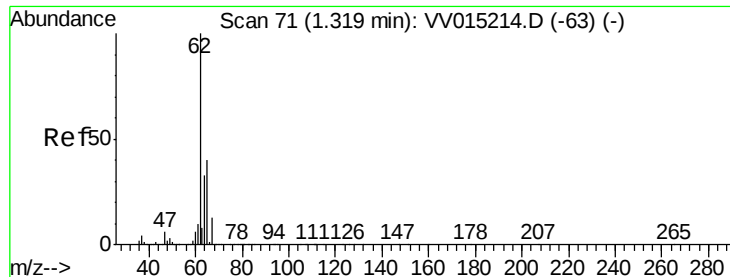
50 100

52 32.8 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV0
Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 89.432 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV015215.D

Acq: 27 Mar 2020 20:01

Instrument :

MSVOA_V

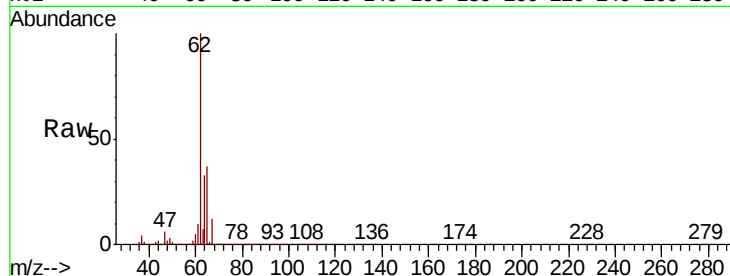
ClientSampled :

Tot Ion: 62 Resp: 580979

Ion Ratio Lower Upper

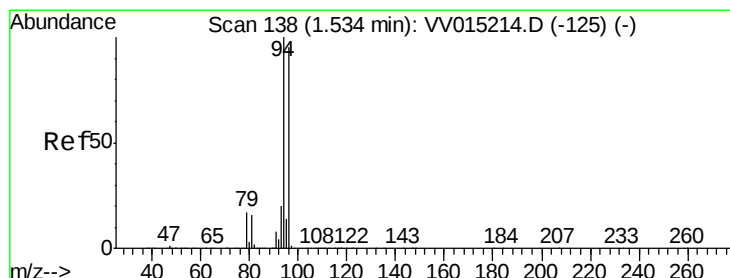
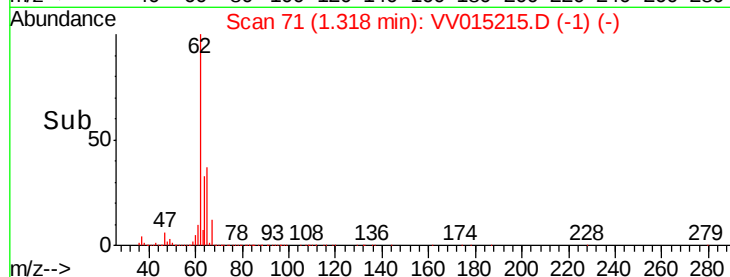
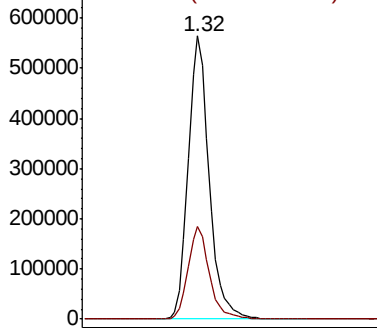
62 100

64 32.7 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 91.710 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV015215.D

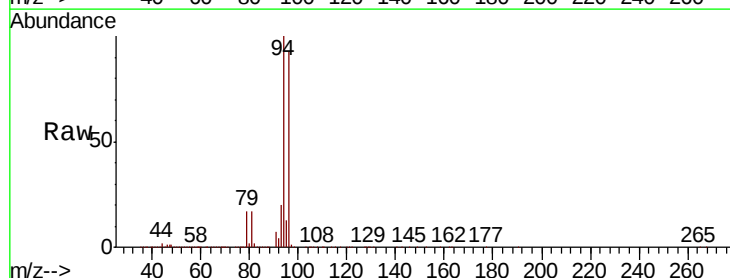
Acq: 27 Mar 2020 20:01

Tgt Ion: 94 Resp: 384896

Ion Ratio Lower Upper

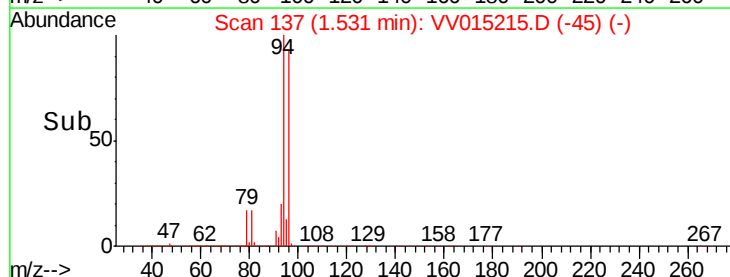
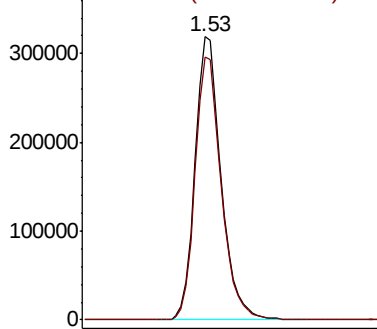
94 100

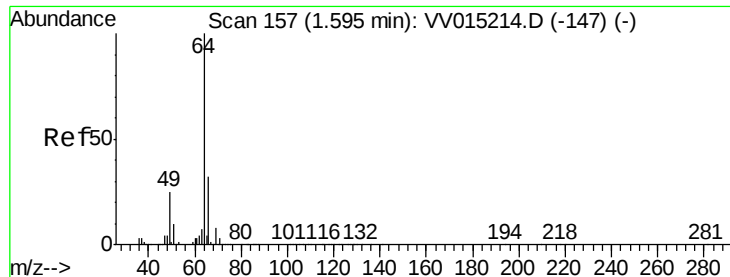
96 93.1 66.6 123.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 87.134 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV015215.D

Acq: 27 Mar 2020 20:01

Instrument :

MSVOA_V

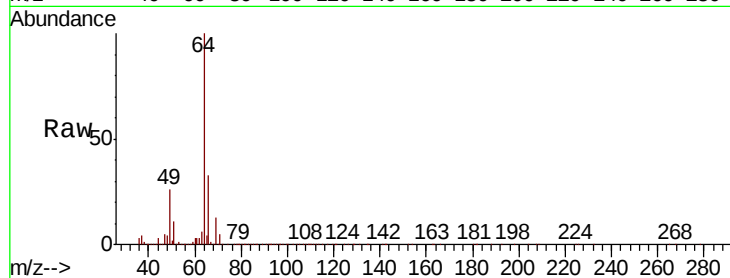
ClientSampleId :

Tot Ion: 64 Resp: 368391

Ion Ratio Lower Upper

64 100

66 32.6 22.1 41.1



Abundance Ion 64.00 (63.70 to 64.70): VV015215.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV015215.D (-147) (-)

1.60

300000

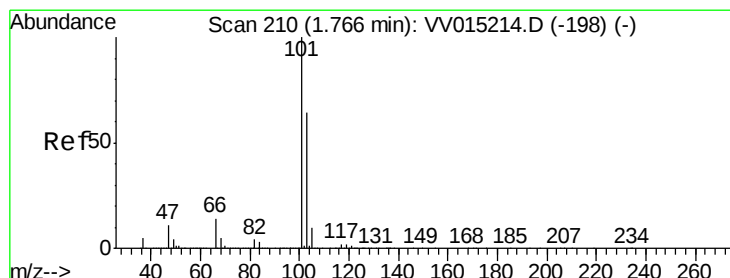
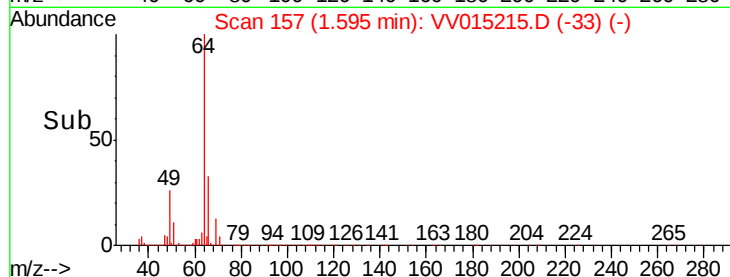
200000

100000

0

1.55 1.60 1.65 1.70

Time-->



#9

Trichlorofluoromethane

Concen: 86.733 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV015215.D

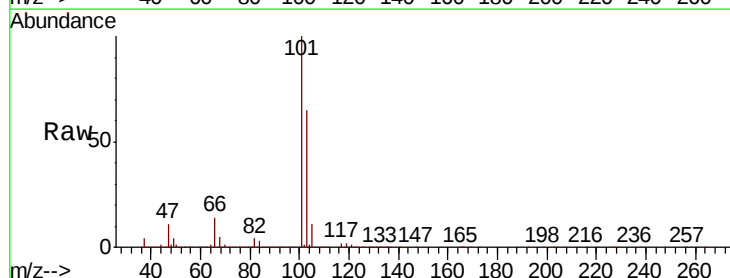
Acq: 27 Mar 2020 20:01

Tgt Ion: 101 Resp: 914882

Ion Ratio Lower Upper

101 100

103 64.4 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): VV015215.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV015215.D (-198) (-)

1.77

800000

600000

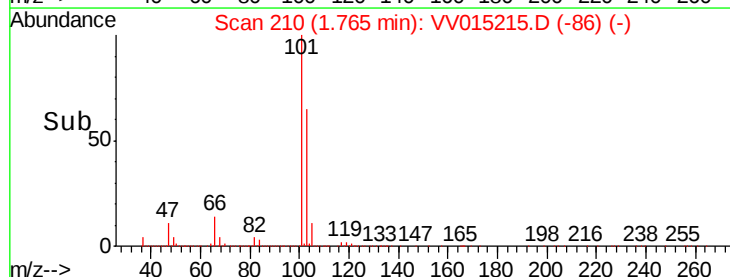
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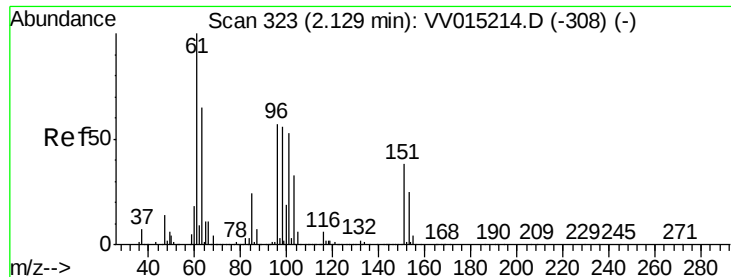
200000

0

1.70 1.75 1.80 1.85

Time-->





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 87.597 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015215.D

Acq: 27 Mar 2020 20:01

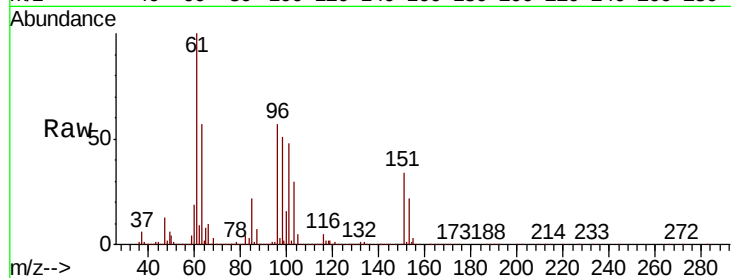
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:101 Resp: 479247

Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.3	54.5
151	71.2	57.8	86.6

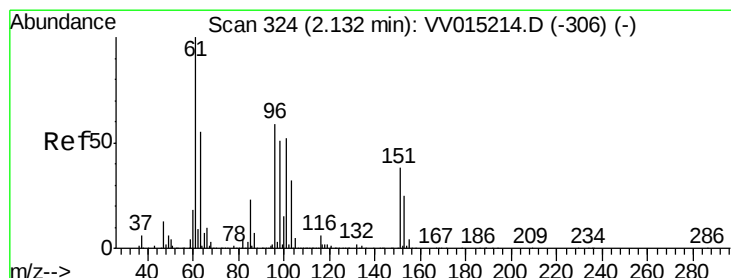
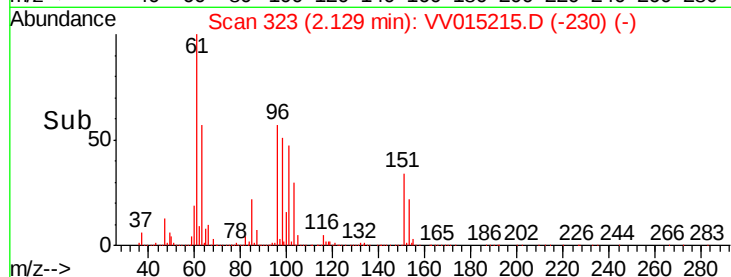
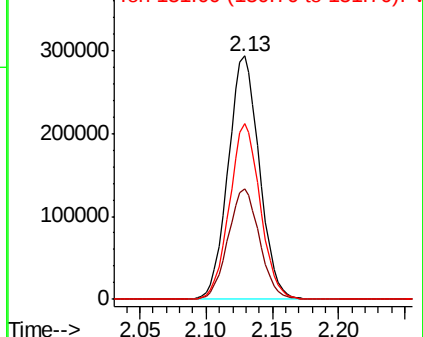


Abundance

Ion 101.00 (100.70 to 101.70): VV015215.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV015215.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV015215.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 93.511 ug/L

RT: 2.13 min Scan# 323

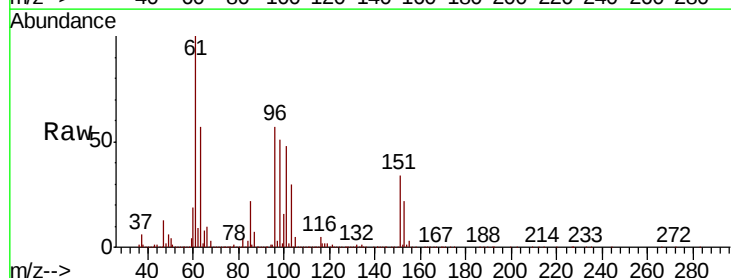
Delta R.T. -0.00 min

Lab File: VV015215.D

Acq: 27 Mar 2020 20:01

Tgt Ion: 96 Resp: 501446

Ion	Ratio	Lower	Upper
96	100		
61	173.9	119.1	221.3
63	99.3	66.0	122.6

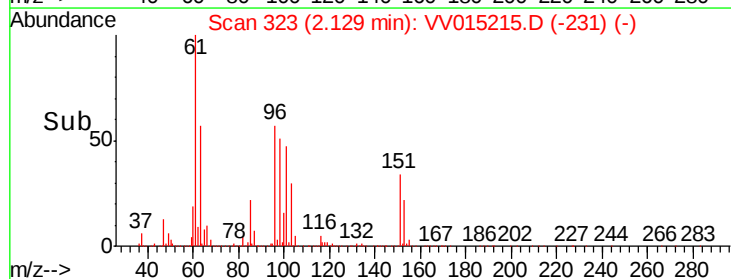
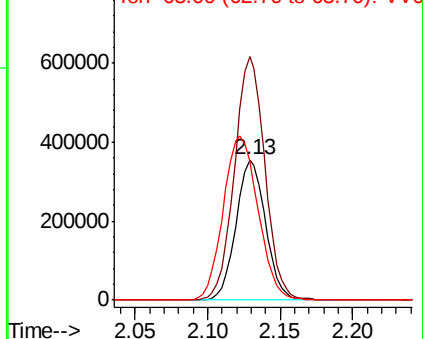


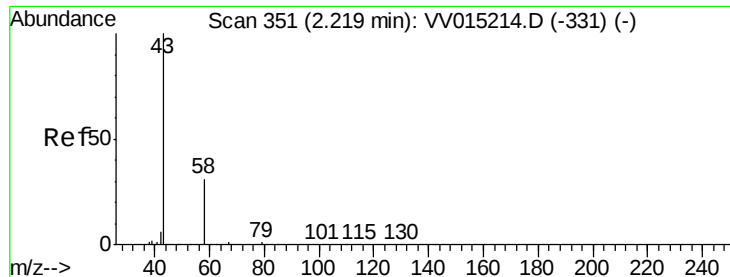
Abundance

Ion 96.00 (95.70 to 96.70): VV015215.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV015215.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV015215.D (-231) (-)





#13

Acetone

Concen: 158.923 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.00 min

Lab File: VV015215.D

Acq: 27 Mar 2020 20:01

Instrument :

MSVOA_V

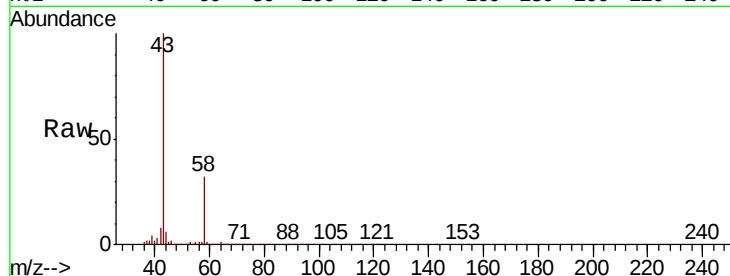
ClientSampled :

Tot Ion: 43 Resp: 391233

Ion Ratio Lower Upper

43 100

58 32.2 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VV015215.D (-352) (-)

Ion 58.00 (57.70 to 58.70): VV015215.D (-352) (-)

200000

150000

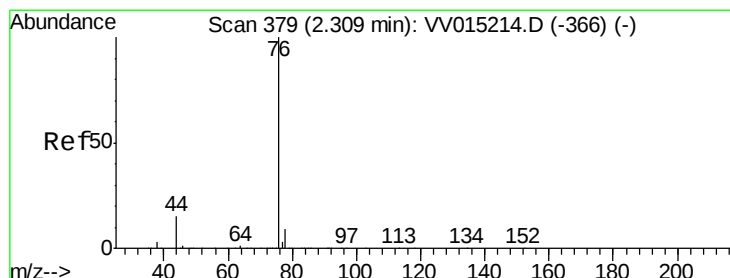
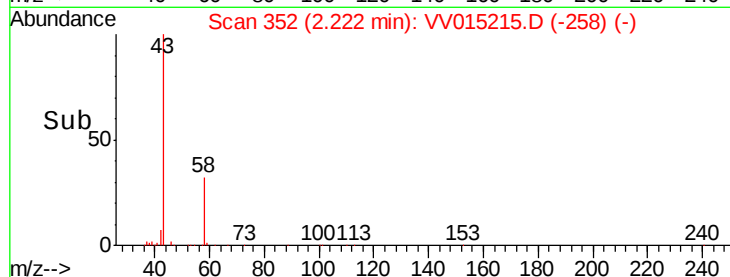
100000

50000

0

2.10 2.20 2.30 2.40

Time-->



#14

Carbon disulfide

Concen: 89.490 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV015215.D

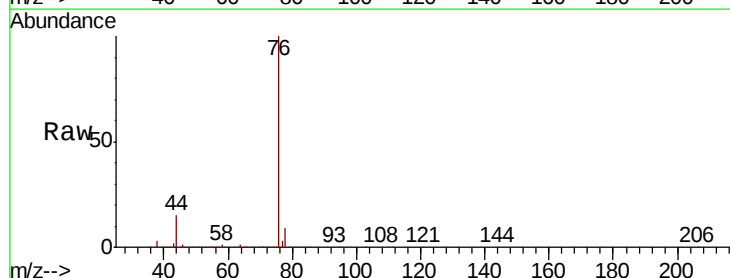
Acq: 27 Mar 2020 20:01

Tgt Ion: 76 Resp: 1219961

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV015215.D (-378) (-)

Ion 78.00 (77.70 to 78.70): VV015215.D (-378) (-)

800000

600000

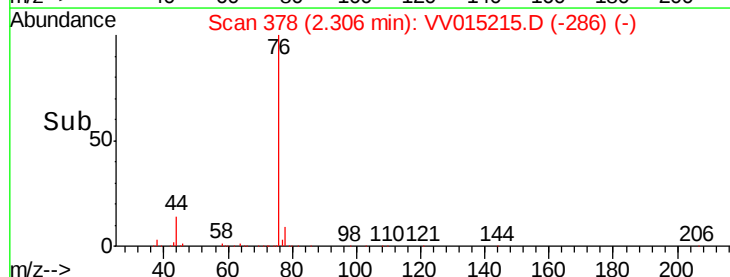
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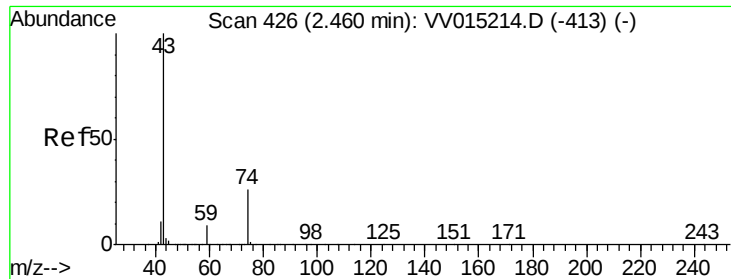
200000

0

2.20 2.25 2.30 2.35 2.40

Time-->

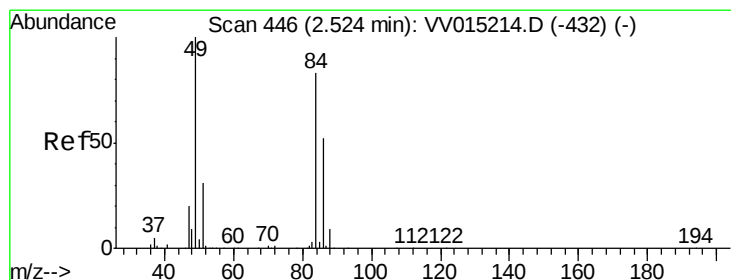
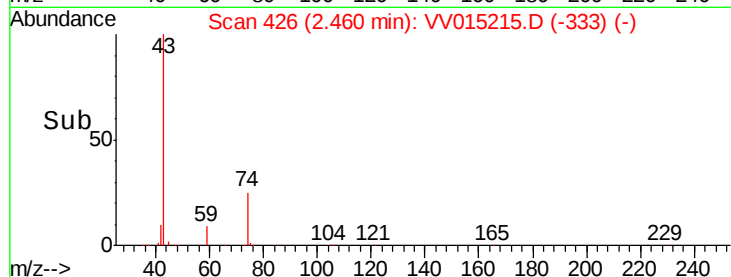
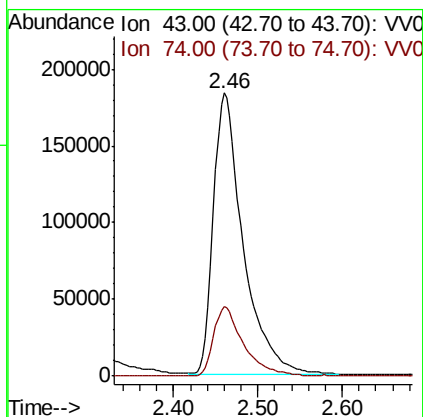
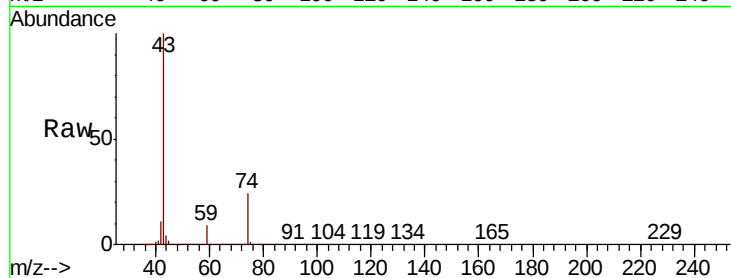




#15
Methvl Acetate
Concen: 88.465 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV015215.D
Acq: 27 Mar 2020 20:01

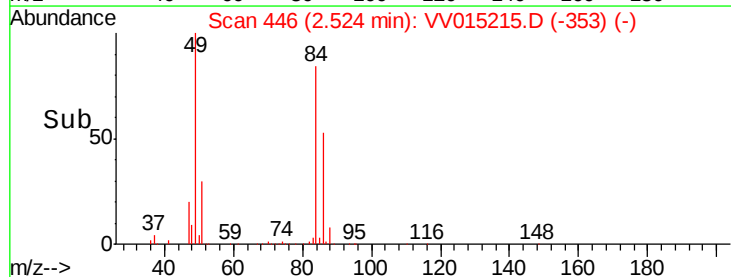
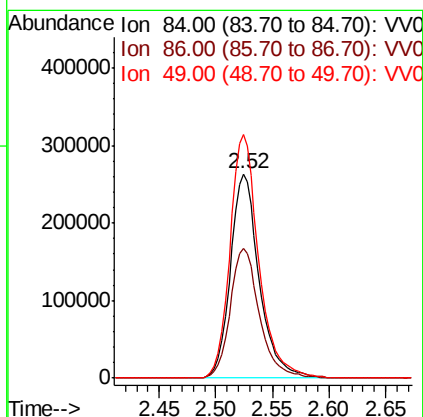
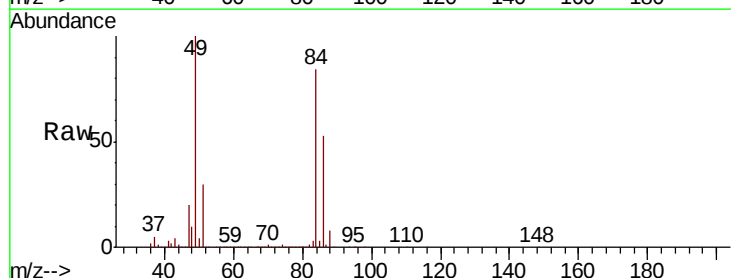
Instrument :
MSVOA_V
ClientSampleId :

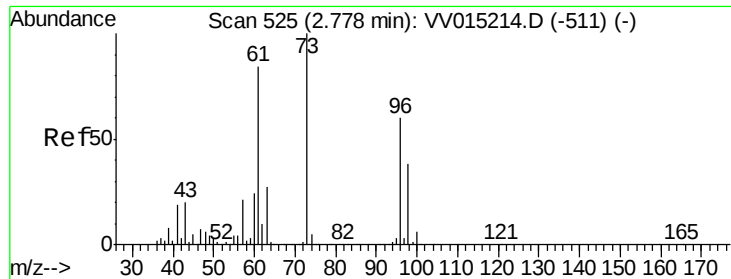
Tot Ion: 43 Resp: 446900
Ion Ratio Lower Upper
43 100
74 25.0 19.7 29.5



#16
Methylene chloride
Concen: 93.114 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV015215.D
Acq: 27 Mar 2020 20:01

Tgt Ion: 84 Resp: 466612
Ion Ratio Lower Upper
84 100
86 63.5 43.8 81.4
49 119.1 84.8 157.4

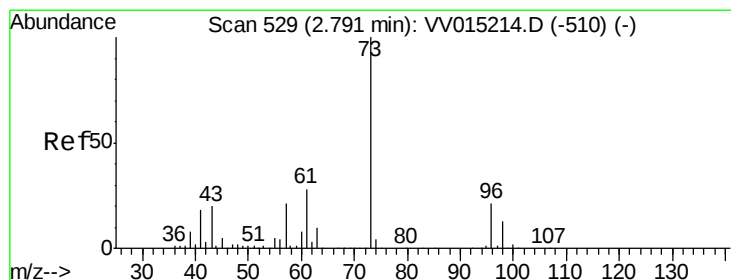
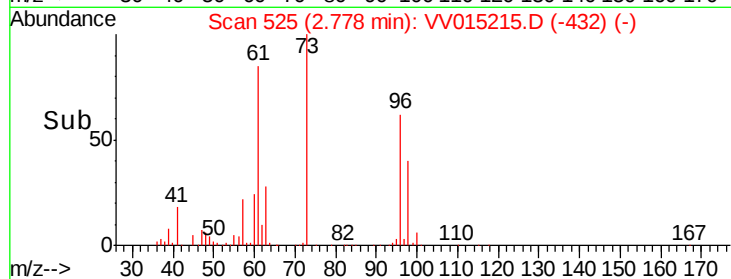
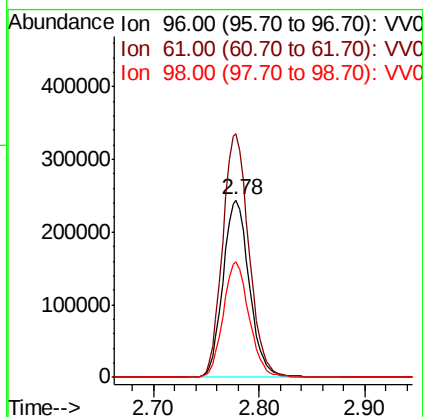
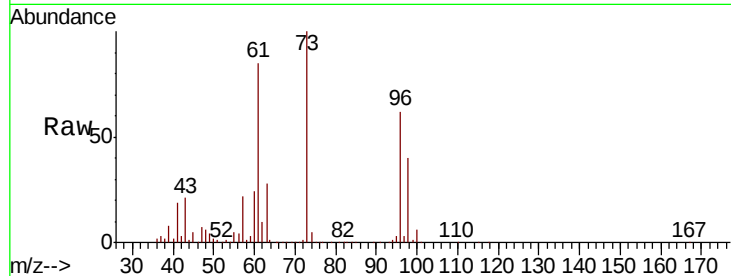




#17
trans-1,2-Dichloroethene
Concen: 90.753 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV015215.D
Acq: 27 Mar 2020 20:01

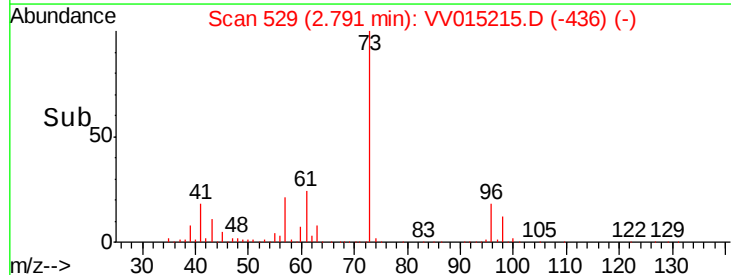
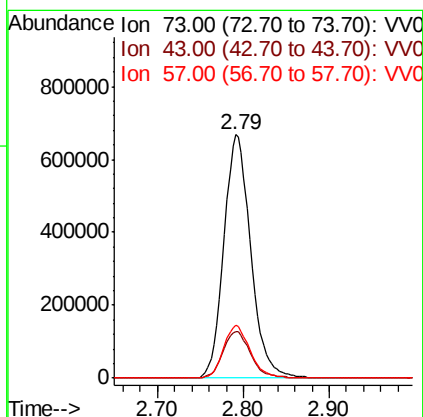
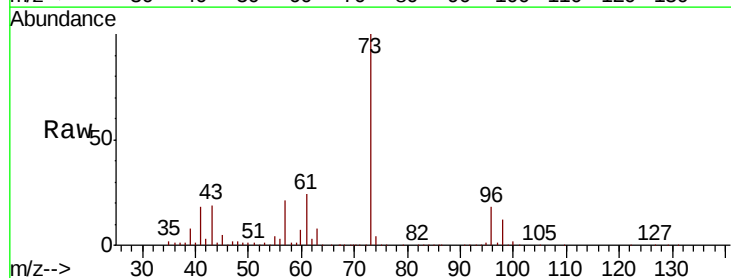
Instrument :
MSVOA_V
ClientSampled :

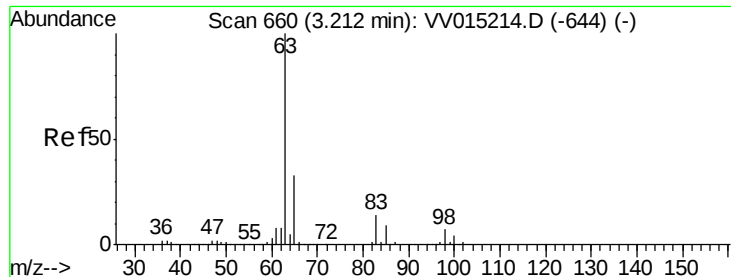
Tot Ion: 96 Resp: 421699
Ion Ratio Lower Upper
96 100
61 137.4 97.9 181.7
98 65.1 43.8 81.4



#18
Methyl tert-butyl Ether
Concen: 92.562 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV015215.D
Acq: 27 Mar 2020 20:01

Tgt Ion: 73 Resp: 1452975
Ion Ratio Lower Upper
73 100
43 19.4 15.5 23.3
57 21.3 16.7 25.1

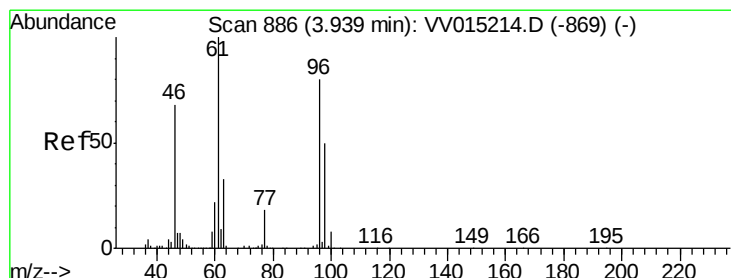
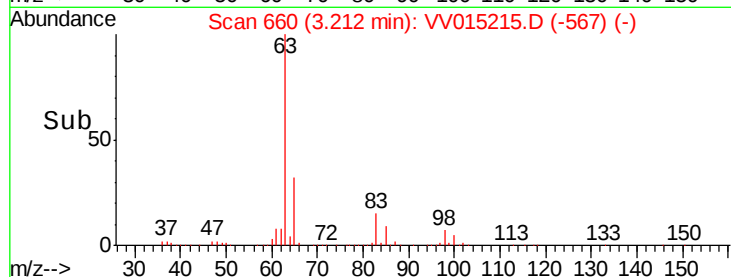
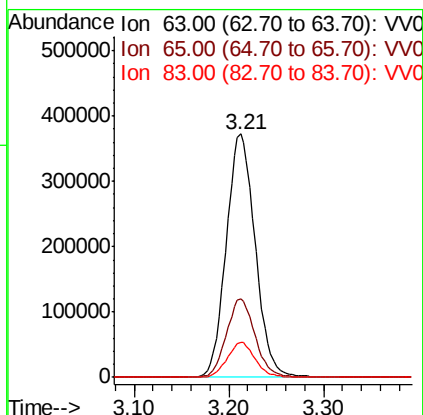
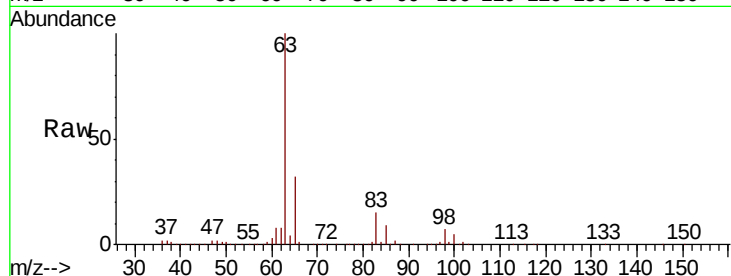




#19
 1,1-Dichloroethane
 Concen: 92.242 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VV015215.D
 Acq: 27 Mar 2020 20:01

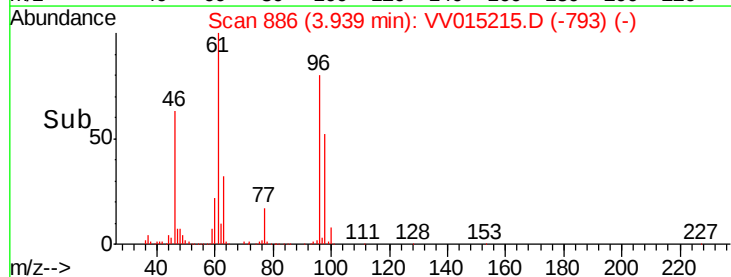
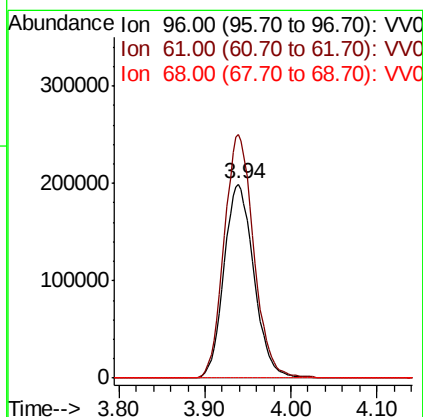
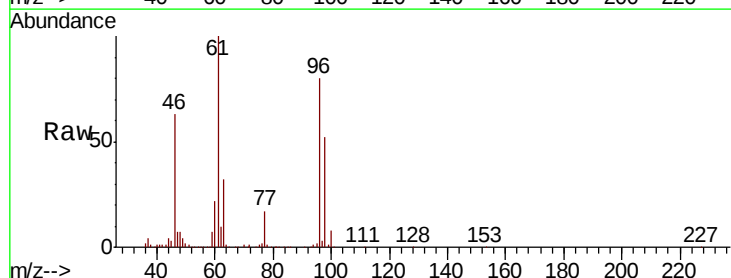
Instrument :
 MSVOA_V
 ClientSampleId :

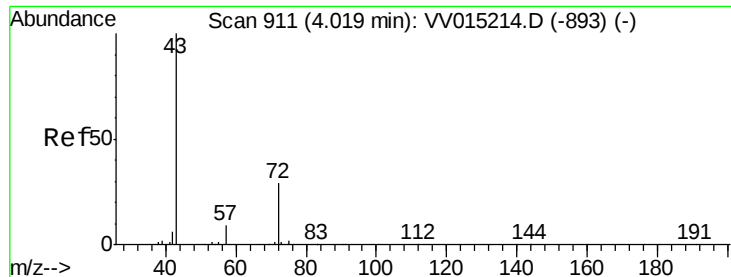
Tot Ion: 63 Resp: 790962
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.8 42.4
 83 14.5 9.7 17.9



#20
 cis-1,2-Dichloroethene
 Concen: 92.232 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV015215.D
 Acq: 27 Mar 2020 20:01

Tgt Ion: 96 Resp: 481925
 Ion Ratio Lower Upper
 96 100
 61 125.7 87.2 162.0
 68 0.1 0.1 0.3#





#22

2-Butanone

Concen: 171.781 ug/L

RT: 4.02 min Scan# 911

Delta R.T. -0.00 min

Lab File: VV015215.D

Acq: 27 Mar 2020 20:01

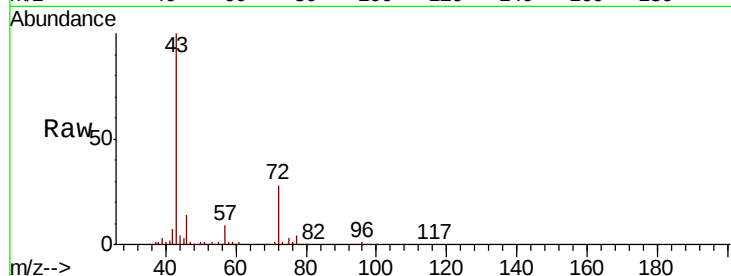
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 657710

Ion Ratio Lower Upper

43 100

72 25.9 9.8 29.5



Abundance Ion 43.00 (42.70 to 43.70): VV015214.D (-893) (-)

Ion 72.00 (71.70 to 72.70): VV015214.D (-893) (-)

4.02

150000

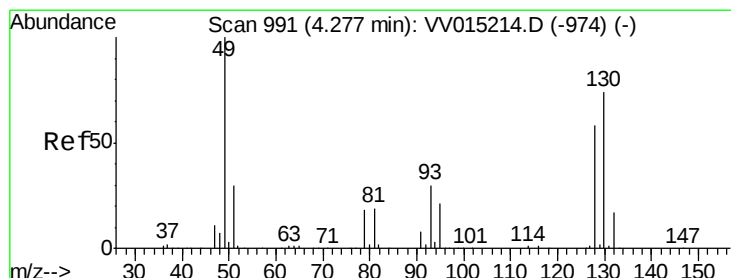
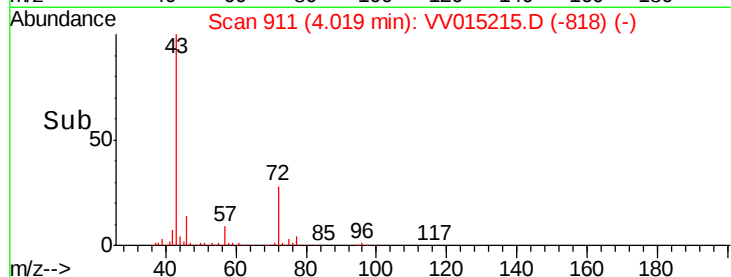
100000

50000

0

3.90 4.00 4.10 4.20

Time-->



#23

Bromochloromethane

Concen: 94.182 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV015215.D

Acq: 27 Mar 2020 20:01

Tgt Ion:128 Resp: 236480

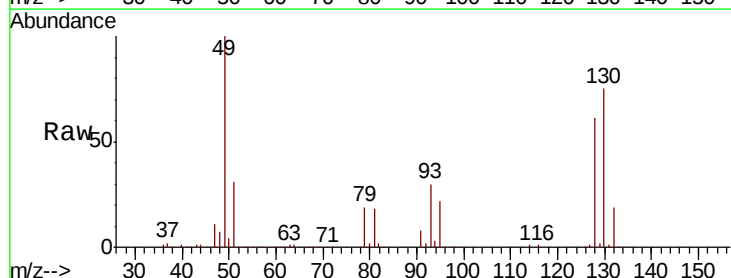
Ion Ratio Lower Upper

128 100

49 163.2 120.6 224.0

130 121.6 89.7 166.5

51 51.1 41.7 62.5



Abundance Ion 128.00 (127.70 to 128.70): VV015215.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV015215.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV015215.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV015215.D (-898) (-)

250000

200000

150000

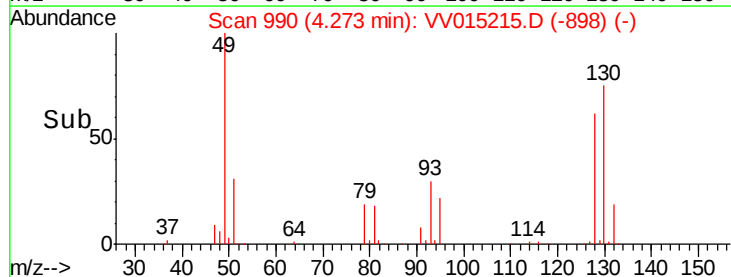
100000

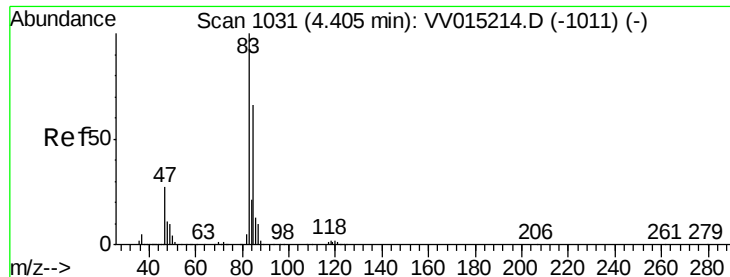
50000

0

4.20 4.30 4.40

Time-->

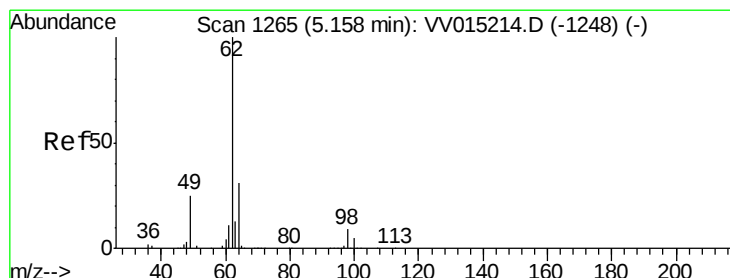
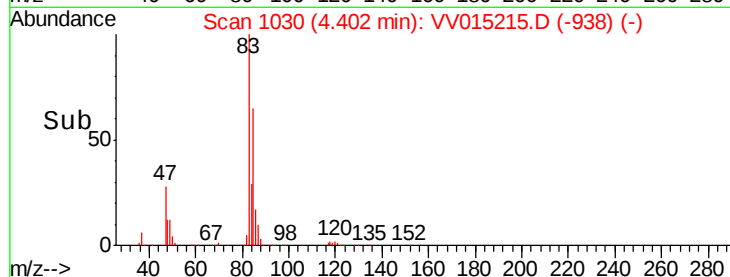
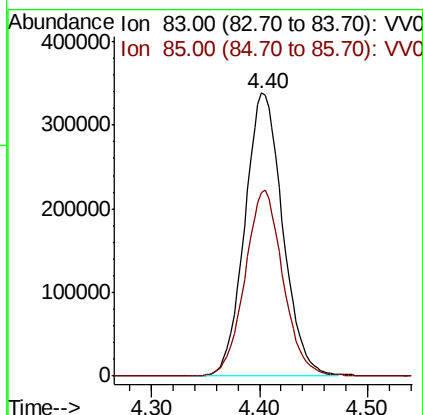
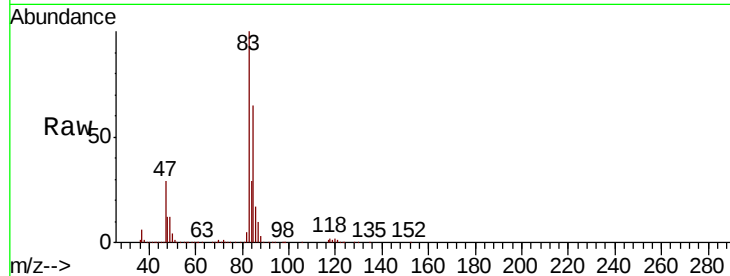




#25
Chloroform
Concen: 93.102 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV015215.D
Acq: 27 Mar 2020 20:01

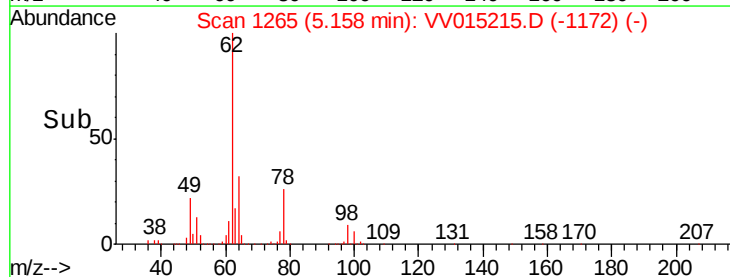
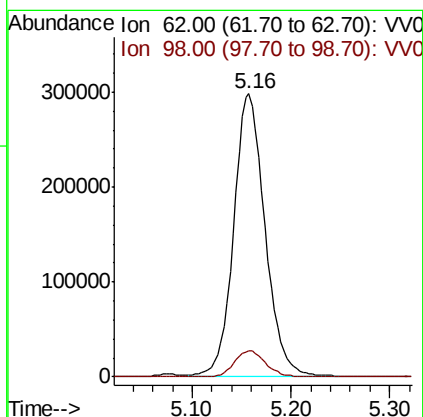
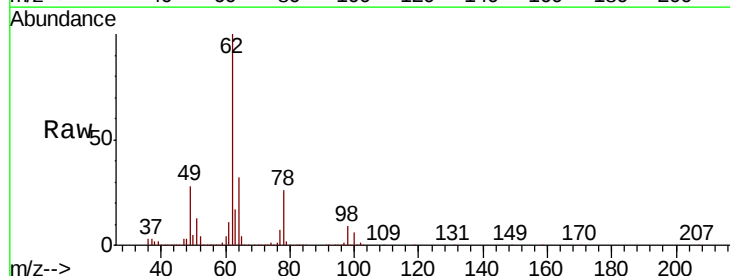
Instrument :
MSVOA_V
ClientSampleId :

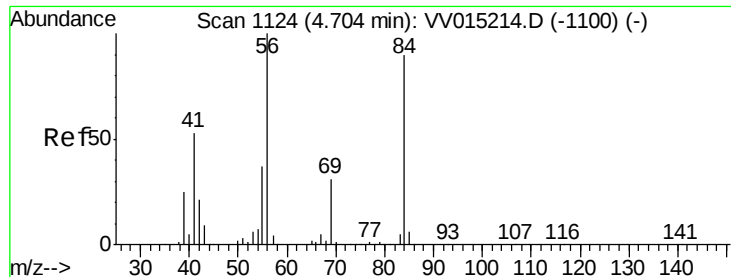
Tot Ion: 83 Resp: 825858
Ion Ratio Lower Upper
83 100
85 64.9 46.2 85.8



#27
1,2-Dichloroethane
Concen: 92.938 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV015215.D
Acq: 27 Mar 2020 20:01

Tgt Ion: 62 Resp: 654452
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.0

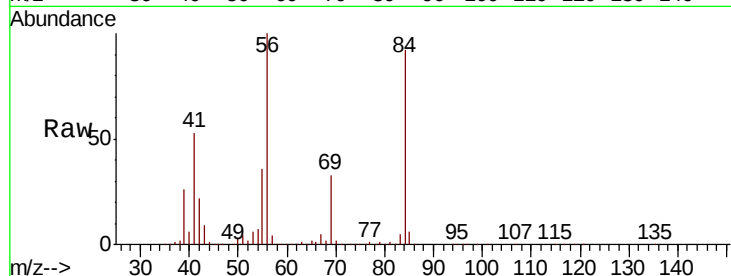




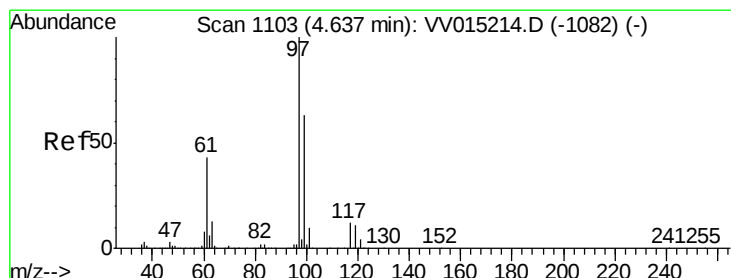
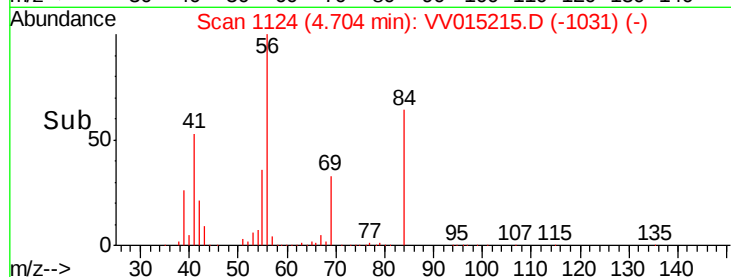
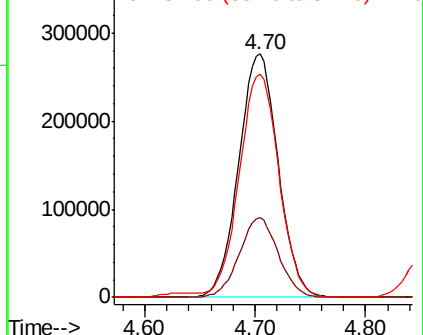
#29
Cyclohexane
Concen: 86.061 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VV015215.D
Acq: 27 Mar 2020 20:01

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.8	38.6
84	92.2	72.5	108.7

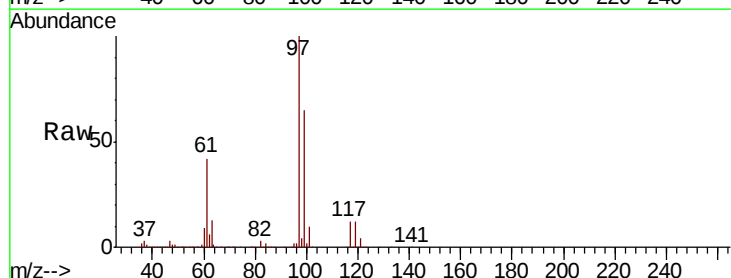


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

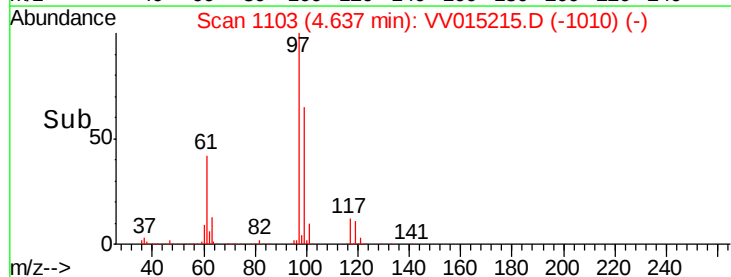
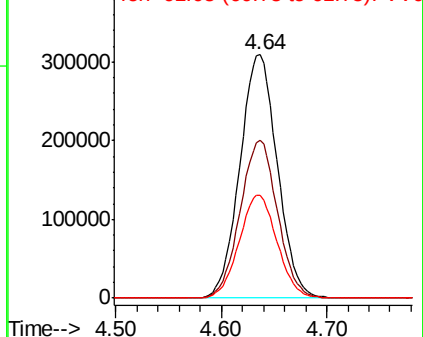


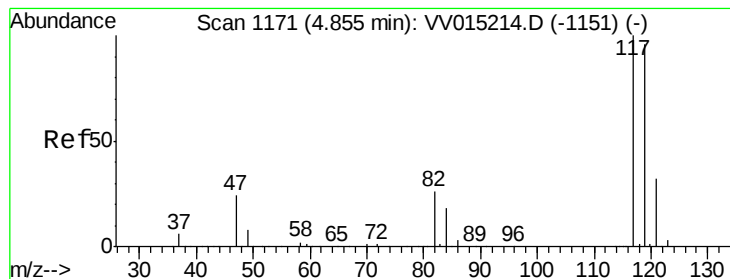
#30
1,1,1-Trichloroethane
Concen: 92.530 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VV015215.D
Acq: 27 Mar 2020 20:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.6	75.8
61	42.9	33.4	50.2



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 93.447 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VV015215.D

Acq: 27 Mar 2020 20:01

Instrument :

MSVOA_V

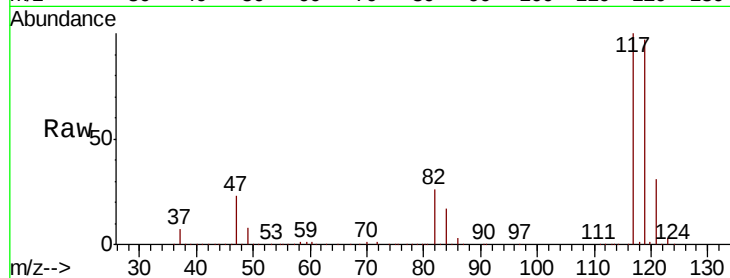
ClientSampleId :

Tot Ion:117 Resp: 648357

Ion Ratio Lower Upper

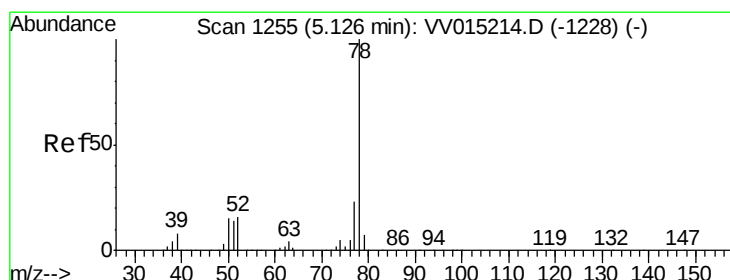
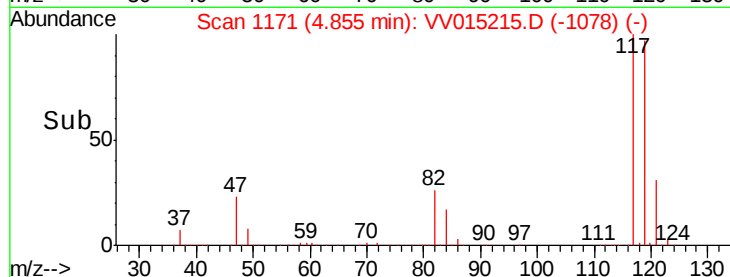
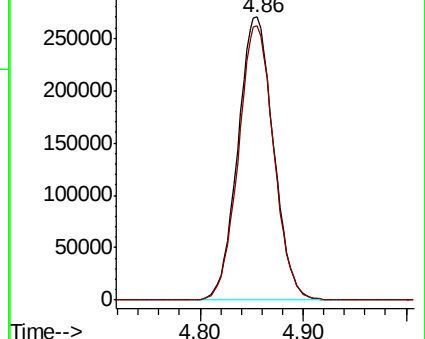
117 100

119 96.3 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 93.069 ug/L

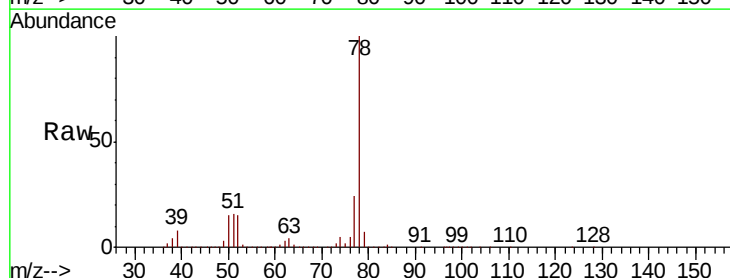
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

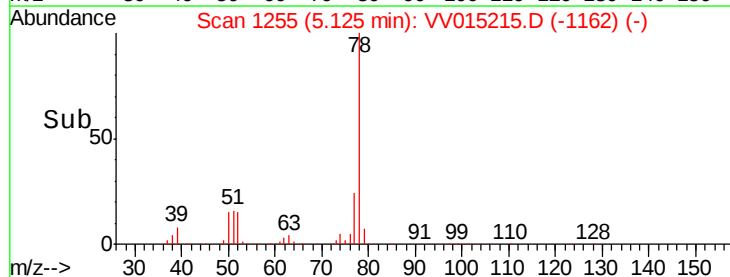
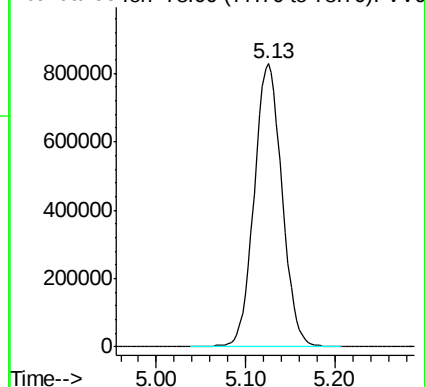
Lab File: VV015215.D

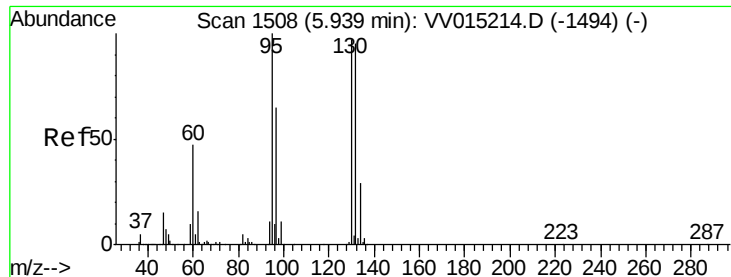
Acq: 27 Mar 2020 20:01

Tgt Ion: 78 Resp: 1806258



Abundance Ion 78.00 (77.70 to 78.70): VV0

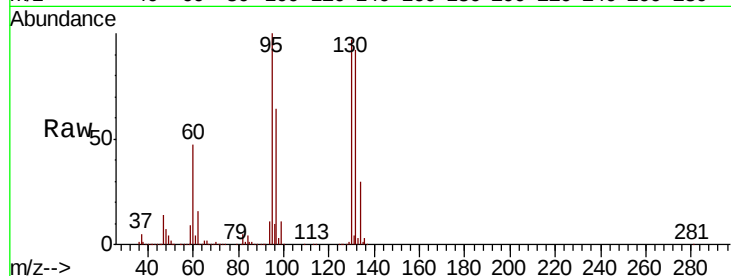




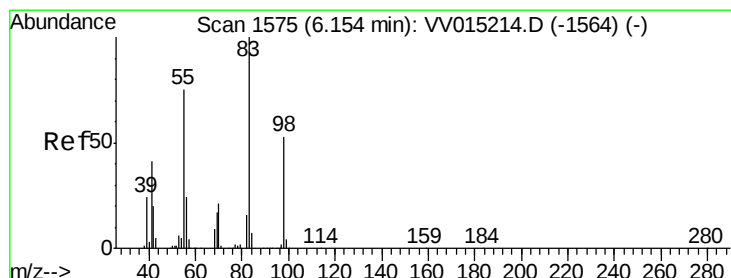
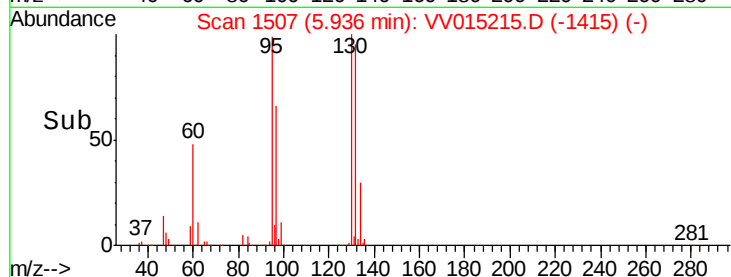
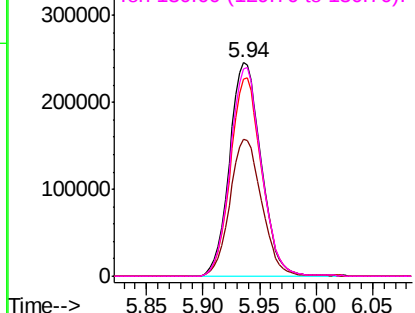
#34
 Trichloroethene
 Concen: 94.616 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV015215.D
 Acq: 27 Mar 2020 20:01

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 477872
 Ion Ratio Lower Upper
 95 100
 97 64.3 45.7 84.9
 132 92.2 66.2 123.0
 130 97.4 67.6 125.6

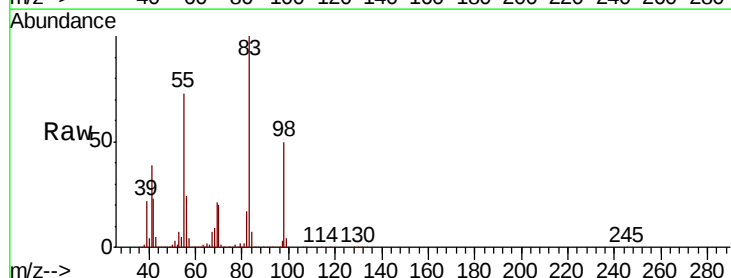


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

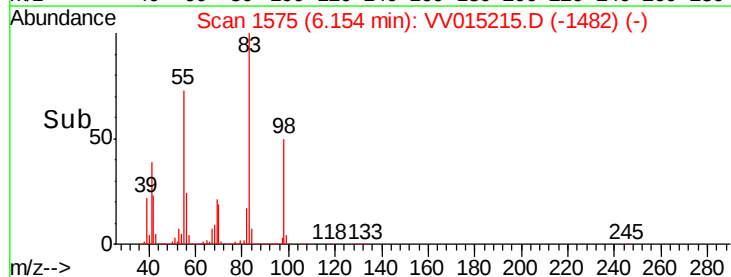
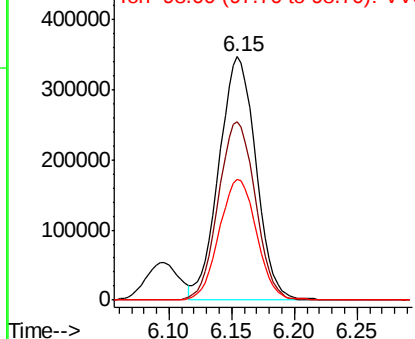


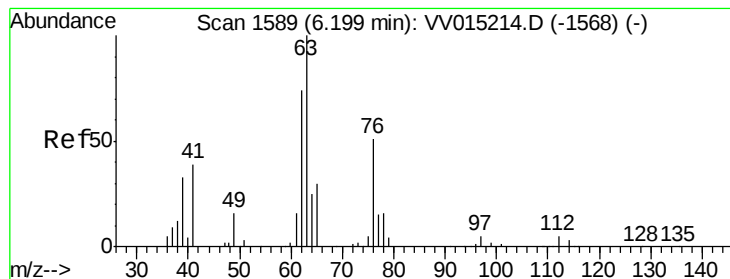
#35
 Methylcyclohexane
 Concen: 84.906 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV015215.D
 Acq: 27 Mar 2020 20:01

Tgt Ion: 83 Resp: 708334
 Ion Ratio Lower Upper
 83 100
 55 73.6 58.2 87.2
 98 50.1 41.0 61.4



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 94.100 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. -0.00 min

Lab File: VV015215.D

Acq: 27 Mar 2020 20:01

Instrument :

MSVOA_V

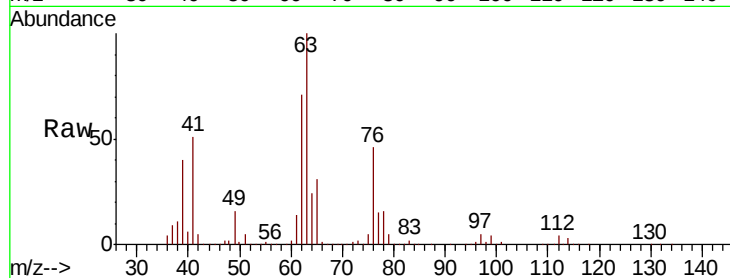
ClientSampled :

Tot Ion: 63 Resp: 466035

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VV015214.D (-1568) (-)

Ion 112.00 (111.70 to 112.70): VV015214.D (-1568) (-)

250000

200000

150000

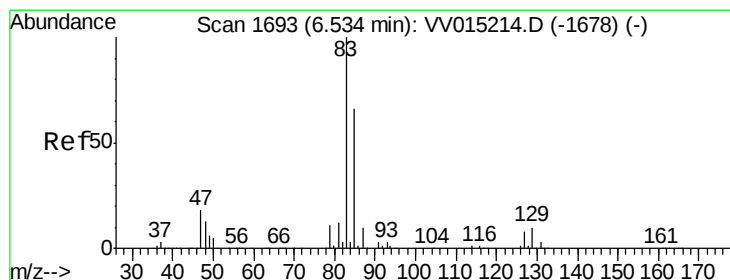
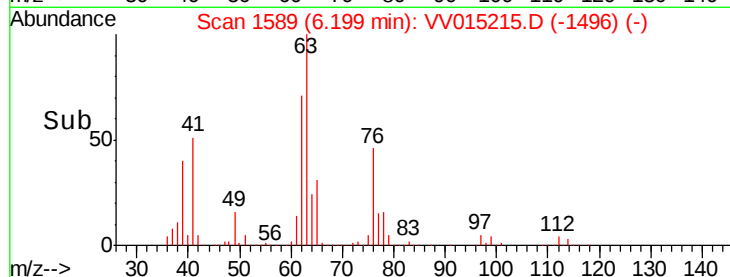
100000

50000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 94.267 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VV015215.D

Acq: 27 Mar 2020 20:01

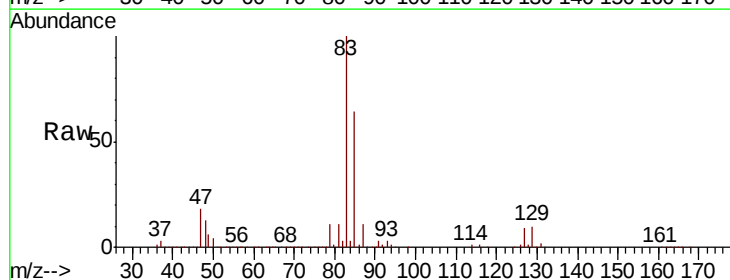
Tgt Ion: 83 Resp: 663379

Ion Ratio Lower Upper

83 100

85 63.9 46.3 85.9

127 8.8 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VV015214.D (-1678) (-)

Ion 85.00 (84.70 to 85.70): VV015214.D (-1678) (-)

Ion 127.00 (126.70 to 127.70): VV015214.D (-1678) (-)

400000

300000

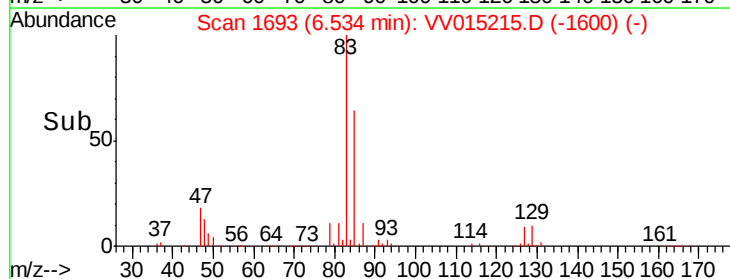
200000

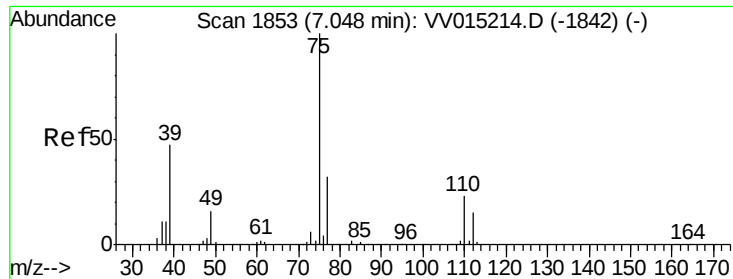
100000

0

6.50 6.60

Time-->



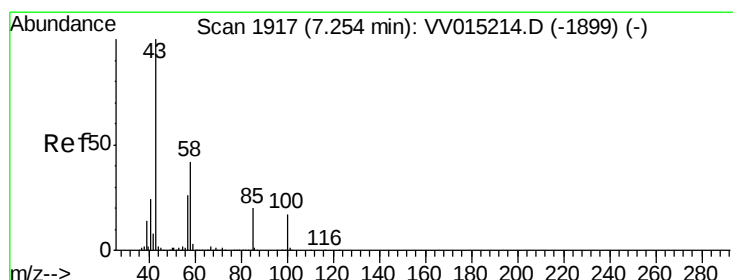
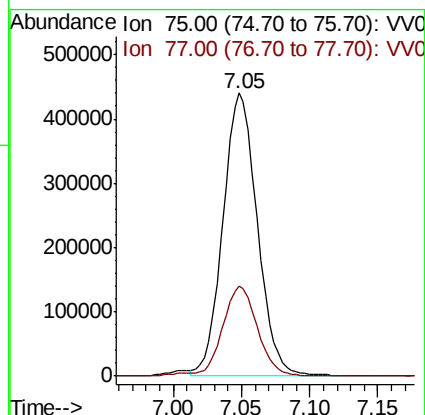
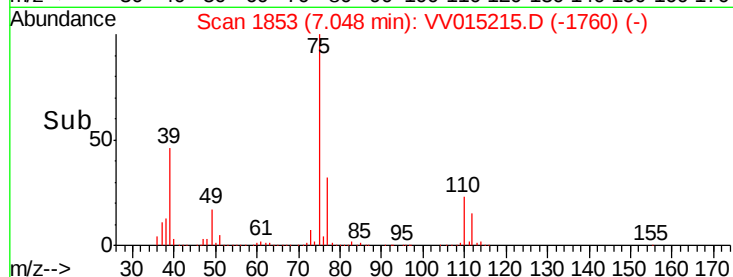
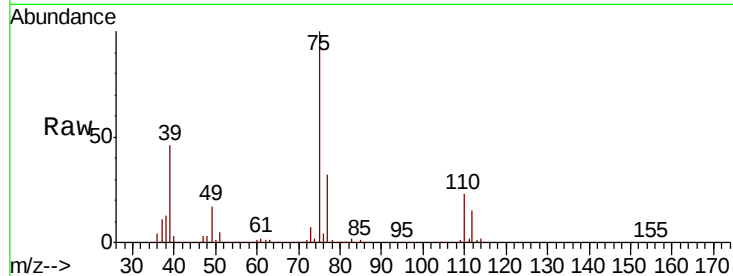


#39

cis-1,3-Dichloropropene
Concen: 93.414 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV015215.D
Acq: 27 Mar 2020 20:01

Instrument :
MSVOA_V
ClientSampleId :

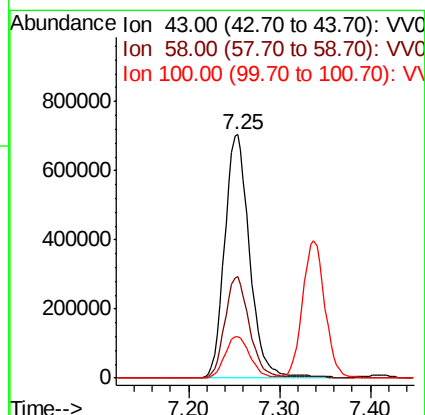
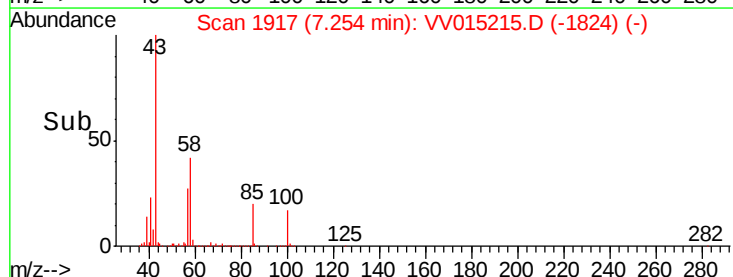
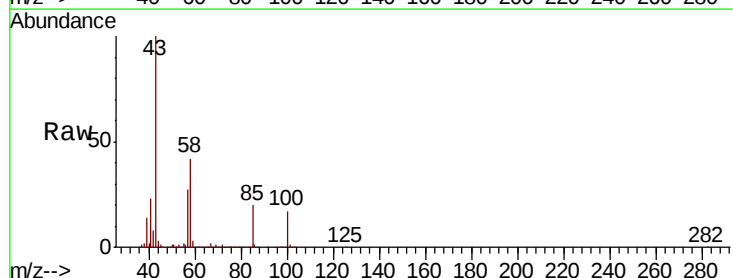
Tot Ion: 75 Resp: 766450
Ion Ratio Lower Upper
75 100
77 31.7 22.5 41.9

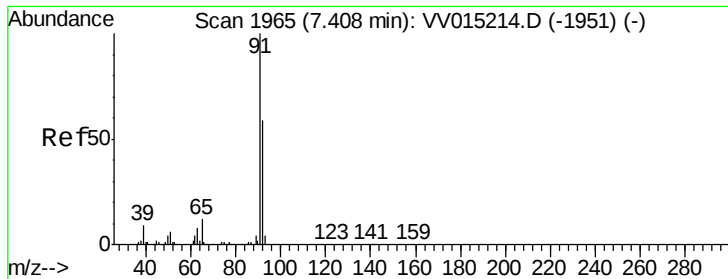


#40

4-Methyl-2-pentanone
Concen: 180.785 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VV015215.D
Acq: 27 Mar 2020 20:01

Tgt Ion: 43 Resp: 1341035
Ion Ratio Lower Upper
43 100
58 41.1 32.5 48.7
100 17.3 13.4 20.0





#42

Toluene

Concen: 93.519 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015215.D

Acq: 27 Mar 2020 20:01

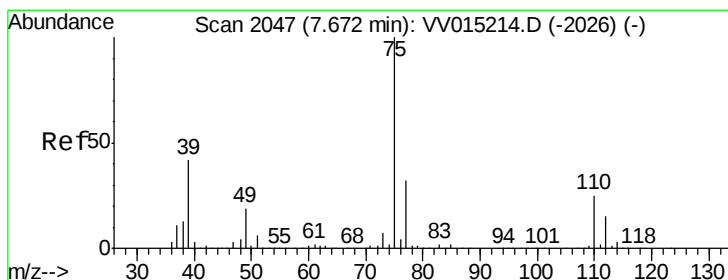
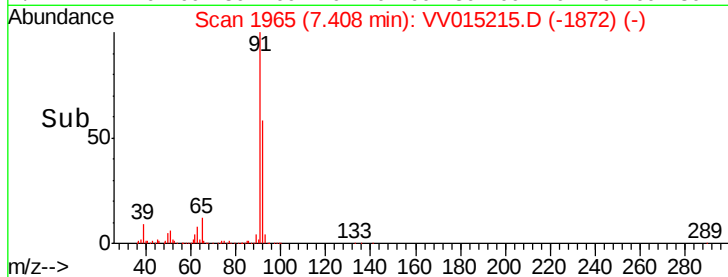
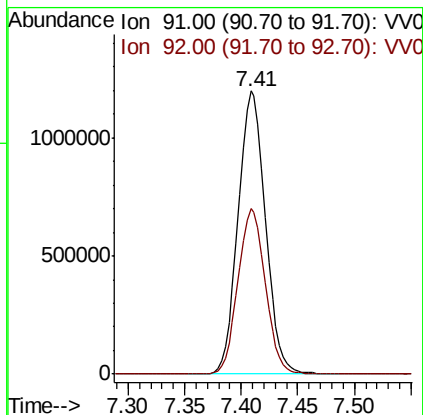
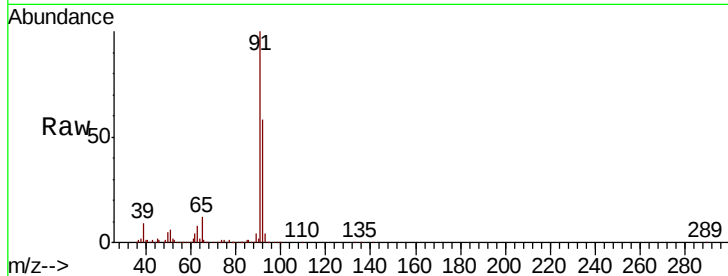
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 2021997

Ion Ratio Lower Upper

91 100

92 58.3 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 94.090 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV015215.D

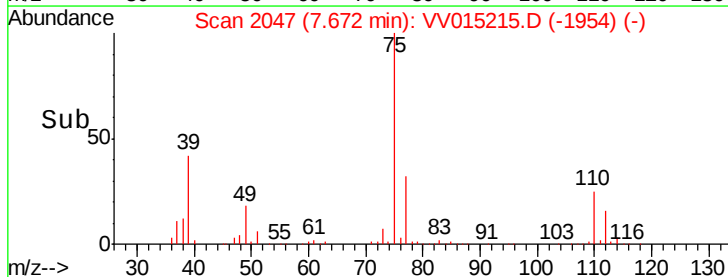
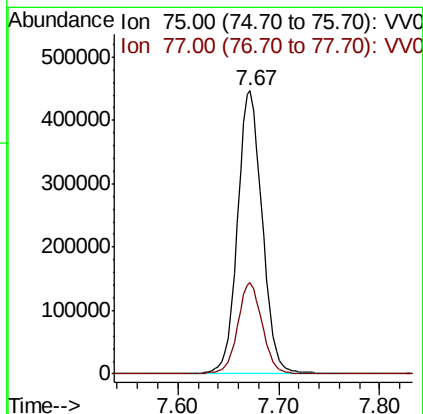
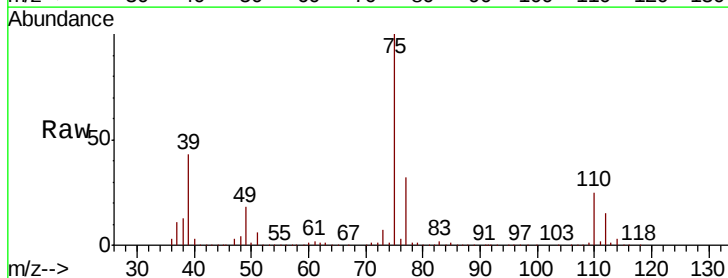
Acq: 27 Mar 2020 20:01

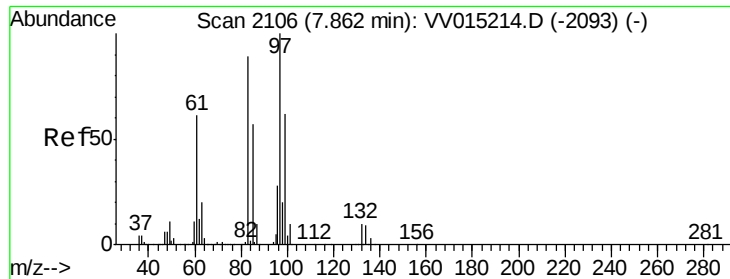
Tgt Ion: 75 Resp: 757383

Ion Ratio Lower Upper

75 100

77 32.1 22.3 41.5

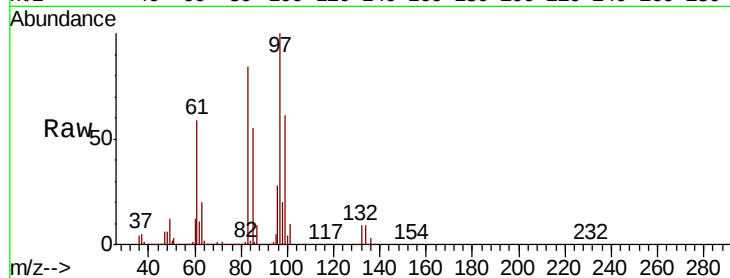




#45
1,1,2-Trichloroethane
Concen: 95.163 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VV015215.D
Acq: 27 Mar 2020 20:01

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	464125
Ion	Ratio	Lower	Upper
97	100		
99	60.8	43.3	80.3
83	84.3	62.1	115.3
85	54.7	40.0	74.2



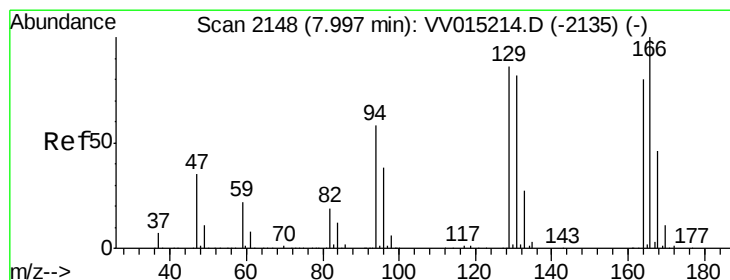
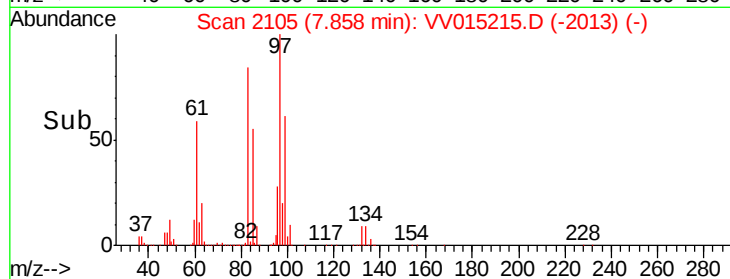
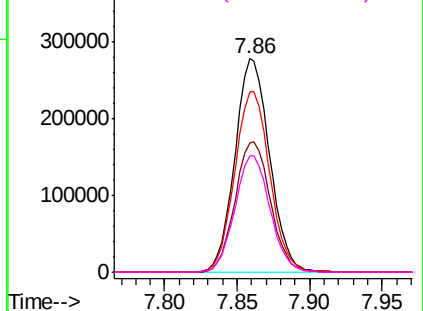
Abundance

Ion 97.00 (96.70 to 97.70): VV015215.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VV015215.D (-2093) (-)

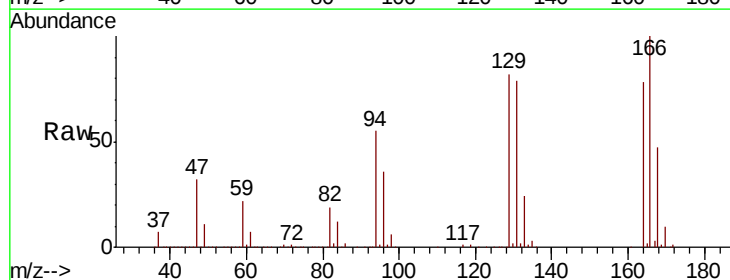
Ion 83.00 (82.70 to 83.70): VV015215.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV015215.D (-2093) (-)



#46
Tetrachloroethene
Concen: 94.312 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV015215.D
Acq: 27 Mar 2020 20:01

Tgt Ion:	164	Resp:	319397
Ion	Ratio	Lower	Upper
164	100		
129	105.4	75.3	139.9
131	101.7	71.8	133.4
166	128.5	87.9	163.3



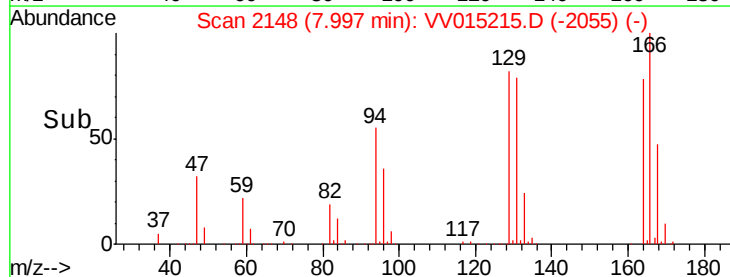
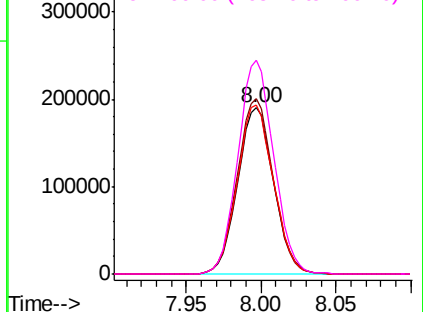
Abundance

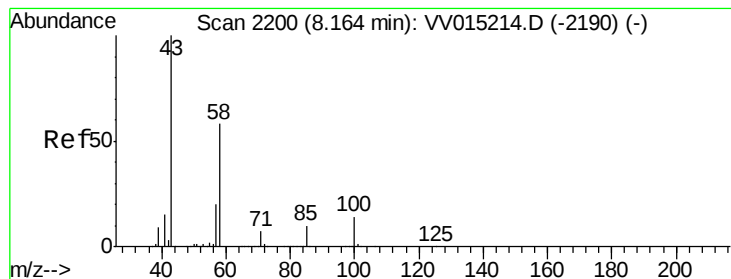
Ion 164.00 (163.70 to 164.70): VV015215.D (-2055) (-)

Ion 129.00 (128.70 to 129.70): VV015215.D (-2055) (-)

Ion 131.00 (130.70 to 131.70): VV015215.D (-2055) (-)

Ion 166.00 (165.70 to 166.70): VV015215.D (-2055) (-)





#48

2-Hexanone

Concen: 179.324 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VV015215.D

Acq: 27 Mar 2020 20:01

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1046458

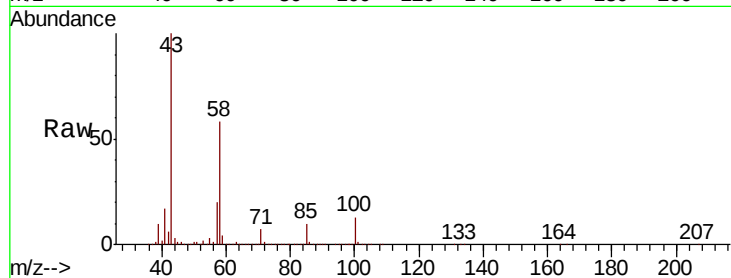
Ion Ratio Lower Upper

43 100

58 57.9 45.5 68.3

57 19.5 15.8 23.6

100 13.9 10.9 16.3

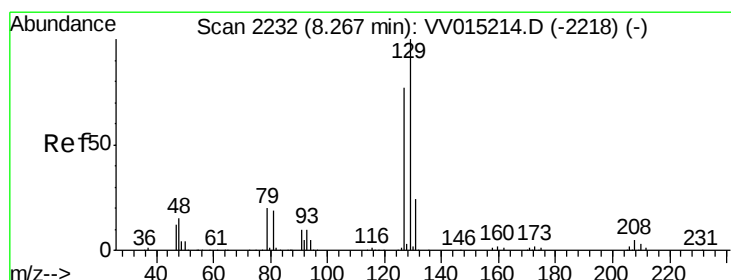
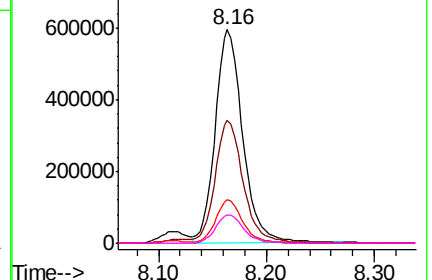
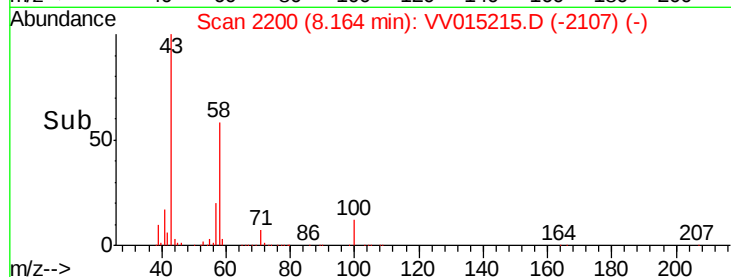


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#49

Dibromochloromethane

Concen: 96.964 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV015215.D

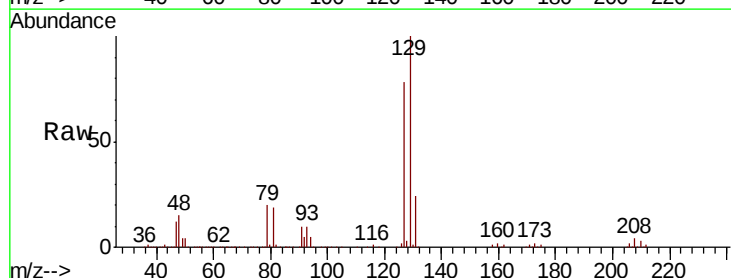
Acq: 27 Mar 2020 20:01

Tgt Ion: 129 Resp: 519149

Ion Ratio Lower Upper

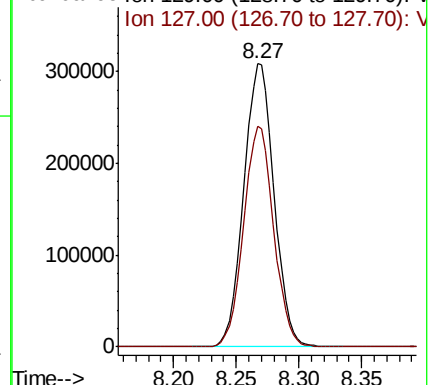
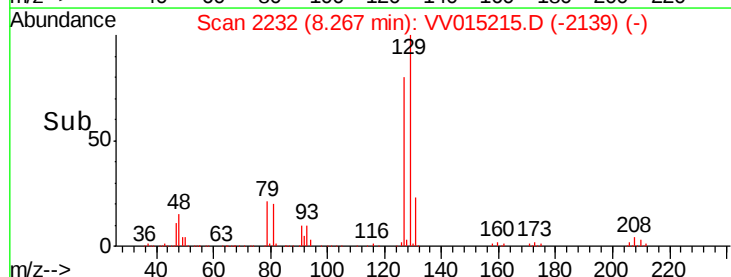
129 100

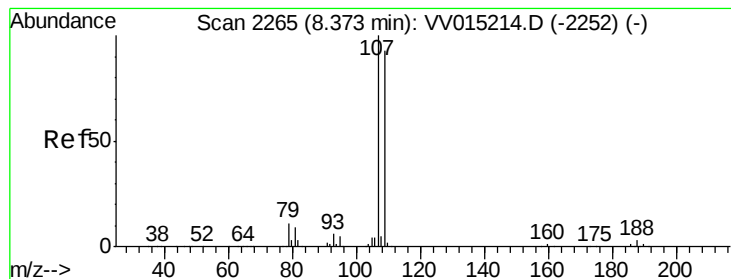
127 78.0 54.0 100.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#50

1,2-Dibromoethane

Concen: 94.265 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. -0.00 min

Lab File: VV015215.D

Acq: 27 Mar 2020 20:01

Instrument :

MSVOA_V

ClientSampleId :

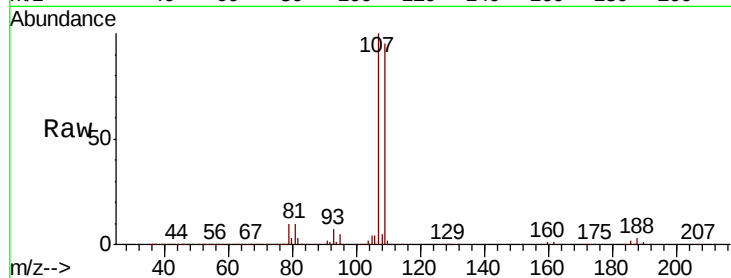
Tot Ion:107 Resp: 497920

Ion Ratio Lower Upper

107 100

109 94.8 65.1 120.9

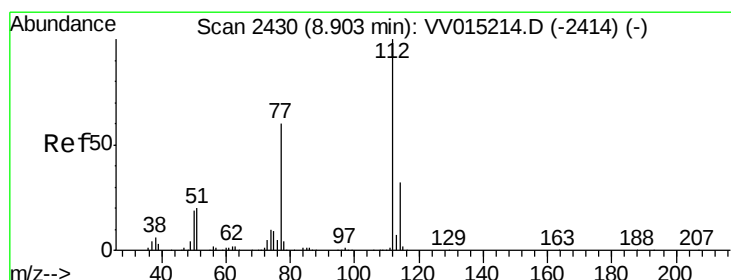
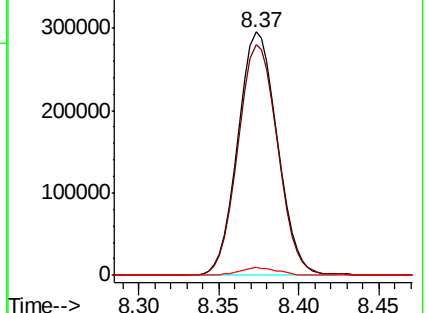
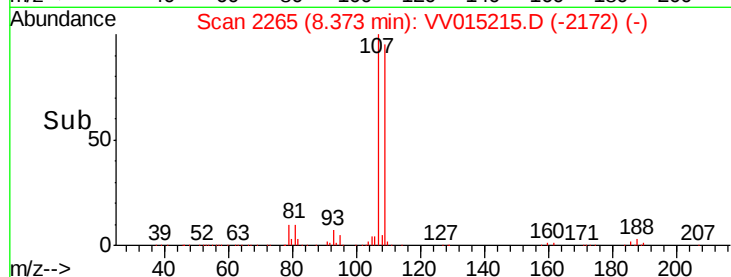
188 3.2 2.3 3.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 94.963 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV015215.D

Acq: 27 Mar 2020 20:01

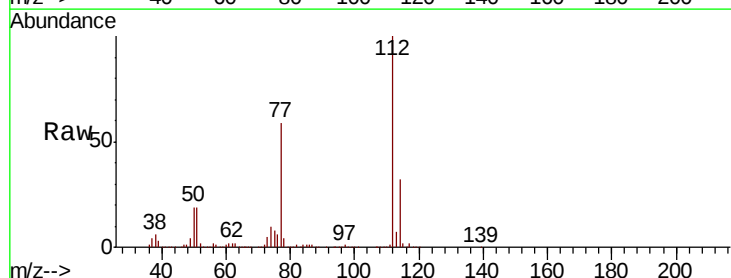
Tgt Ion:112 Resp: 1312388

Ion Ratio Lower Upper

112 100

114 31.7 22.3 41.5

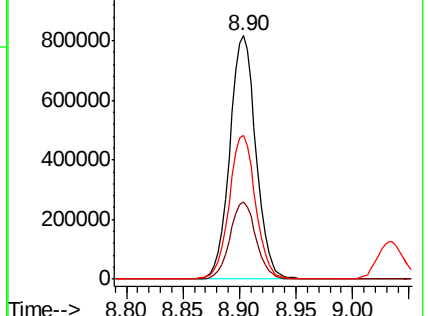
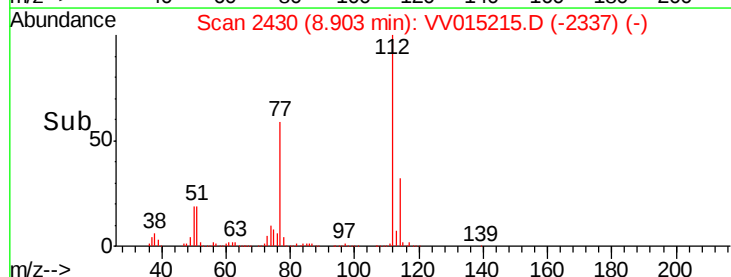
77 59.2 48.2 72.2

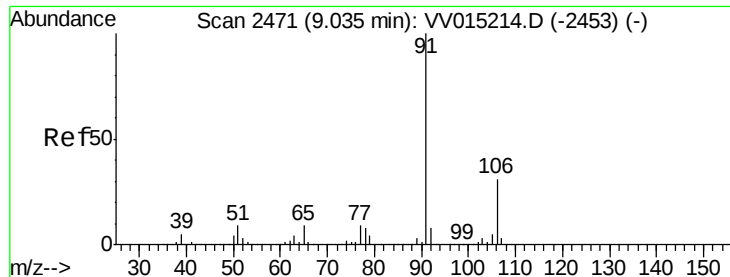


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 95.350 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV015215.D

Acq: 27 Mar 2020 20:01

Instrument :

MSVOA_V

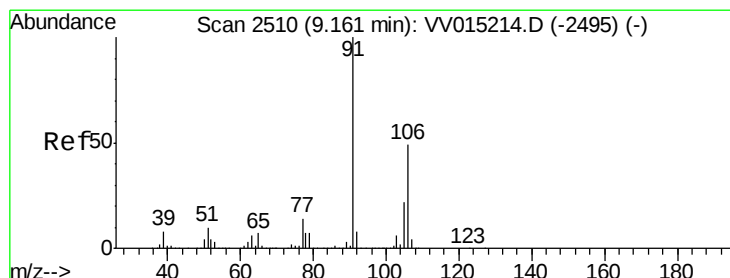
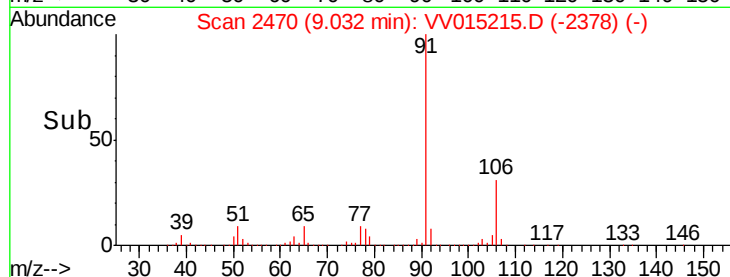
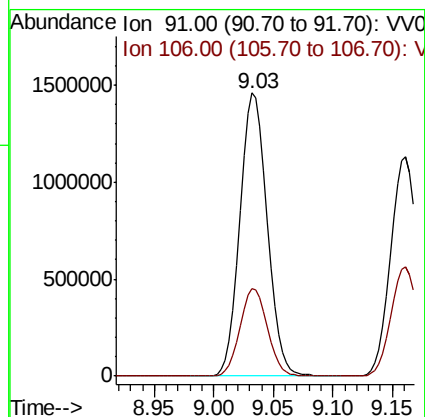
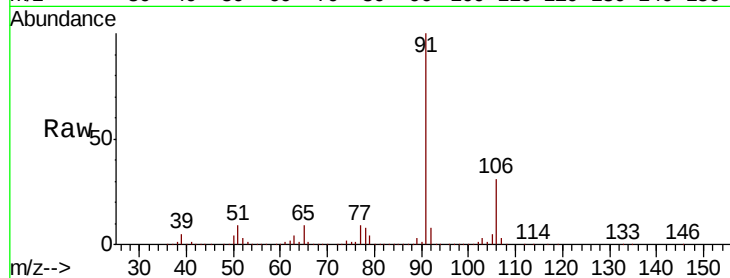
ClientSampleId :

Tot Ion: 91 Resp: 2323505

Ion Ratio Lower Upper

91 100

106 31.0 21.9 40.7



#53

m,p-Xylene

Concen: 96.726 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV015215.D

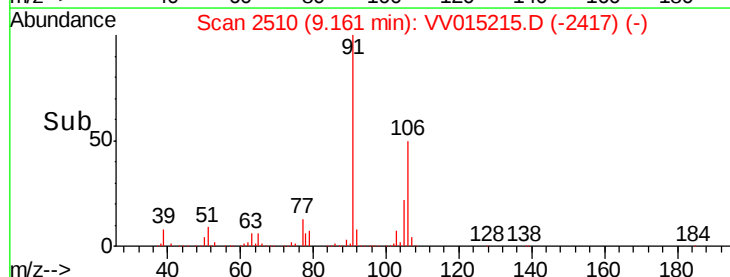
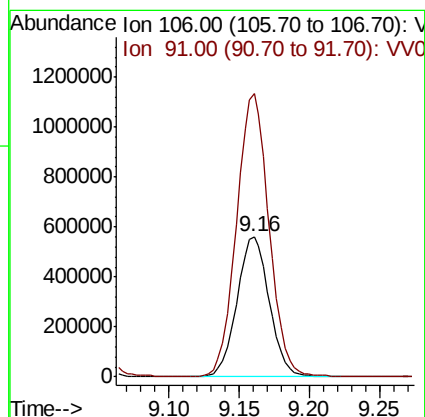
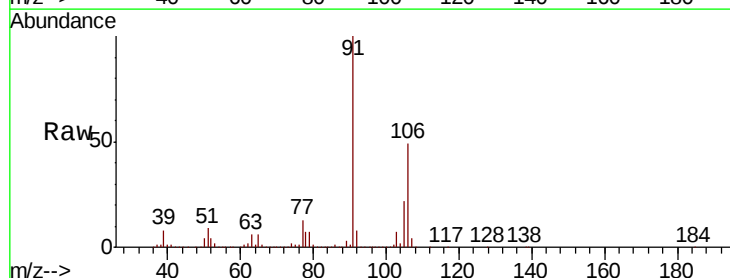
Acq: 27 Mar 2020 20:01

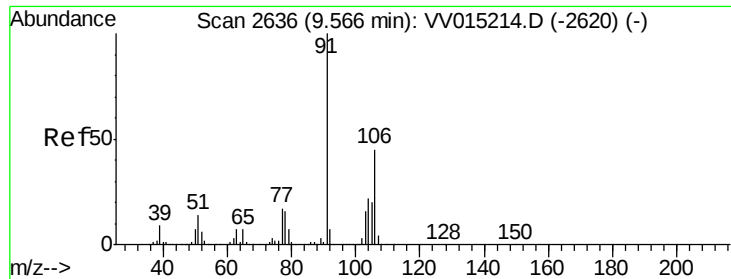
Tgt Ion: 106 Resp: 898121

Ion Ratio Lower Upper

106 100

91 202.0 142.1 263.9





#54

o-xylene

Concen: 95.135 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV015215.D

Acq: 27 Mar 2020 20:01

Instrument :

MSVOA_V

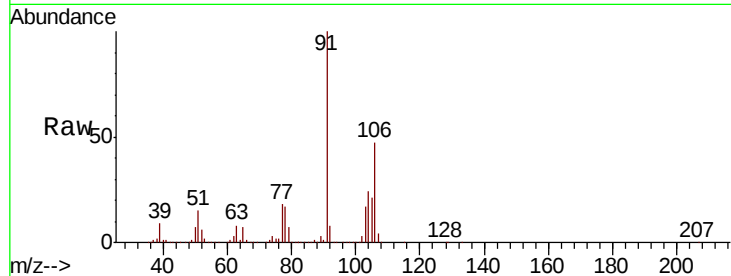
ClientSampleId :

Tot Ion:106 Resp: 888614

Ion Ratio Lower Upper

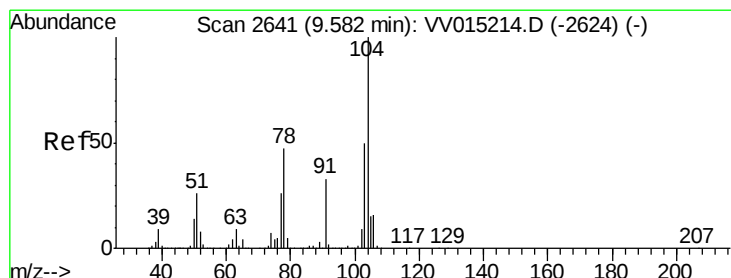
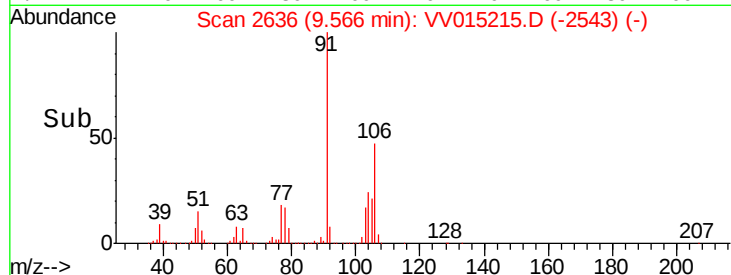
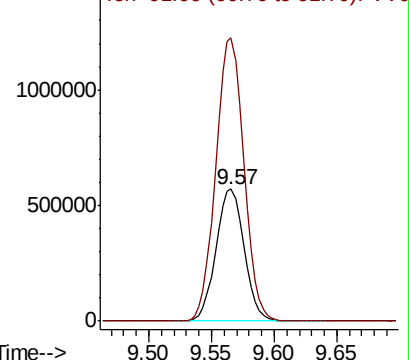
106 100

91 214.4 155.5 288.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 97.493 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV015215.D

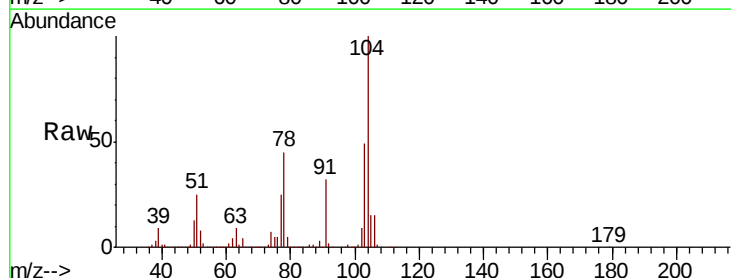
Acq: 27 Mar 2020 20:01

Tgt Ion:104 Resp: 1538230

Ion Ratio Lower Upper

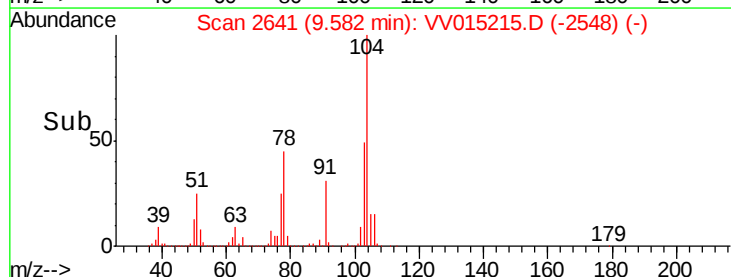
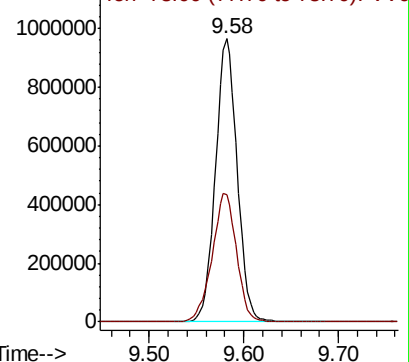
104 100

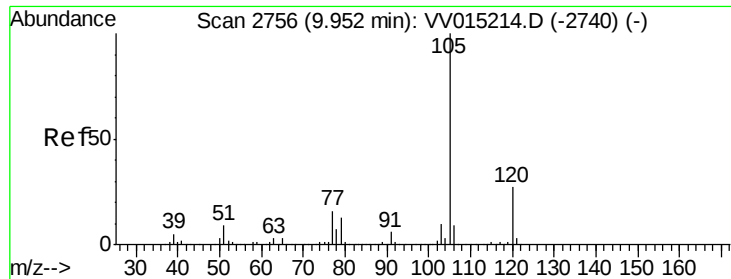
78 45.1 33.0 61.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

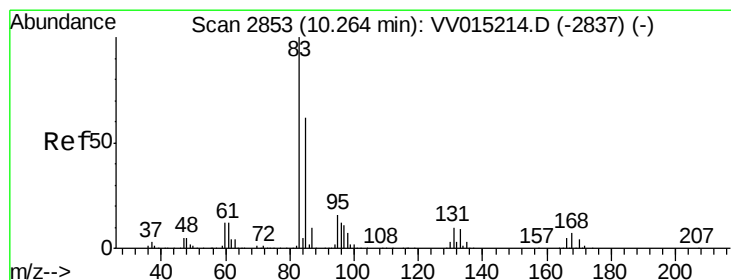
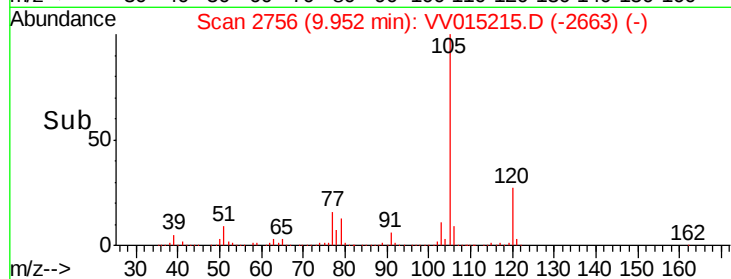
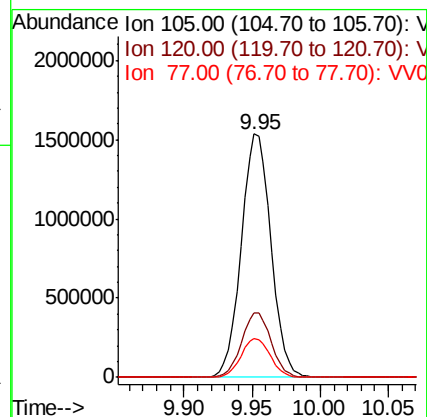
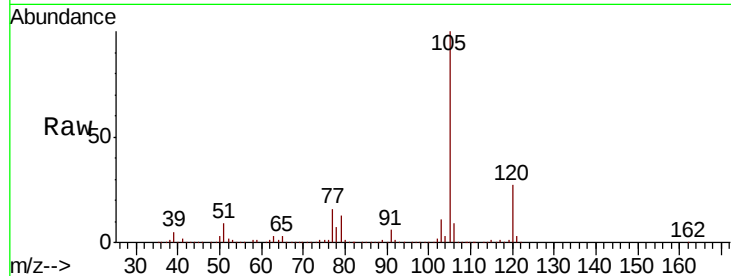




#56
Isopropylbenzene
Concen: 96.673 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VV015215.D
Acq: 27 Mar 2020 20:01

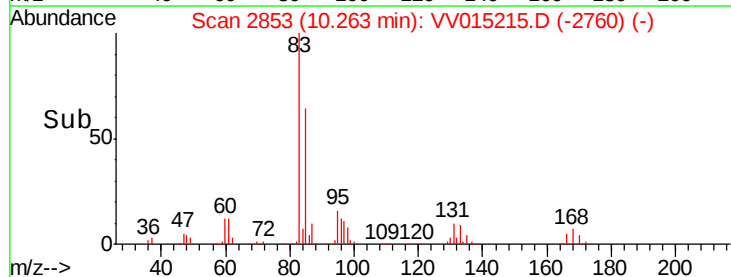
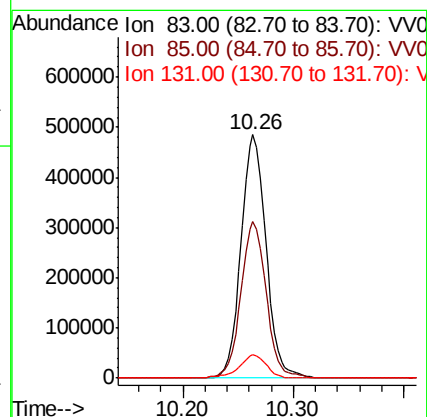
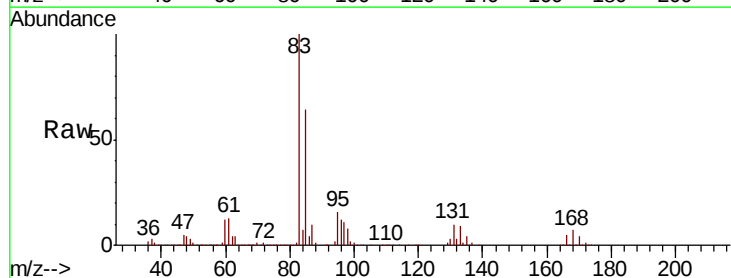
Instrument :
MSVOA_V
ClientSampleId :

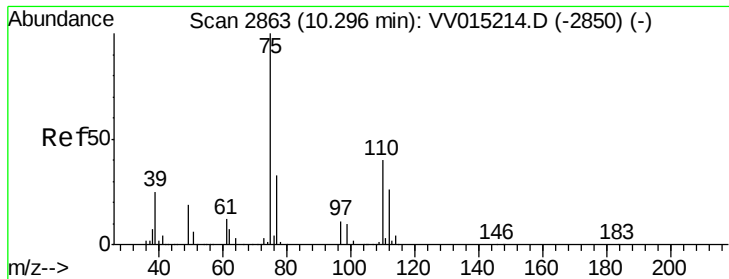
Tot Ion:105 Resp: 2317453
Ion Ratio Lower Upper
105 100
120 26.5 21.4 32.0
77 15.8 13.0 19.4



#58
1,1,2,2-Tetrachloroethane
Concen: 93.521 ug/L
RT: 10.26 min Scan# 2853
Delta R.T. -0.00 min
Lab File: VV015215.D
Acq: 27 Mar 2020 20:01

Tgt Ion: 83 Resp: 764333
Ion Ratio Lower Upper
83 100
85 64.5 43.6 81.0
131 9.6 7.8 11.6





#59

1,2,3-Trichloropropane

Concen: 94.158 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV015215.D

Acq: 27 Mar 2020 20:01

Instrument :

MSVOA_V

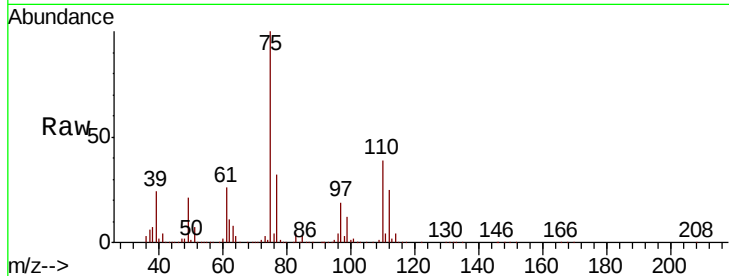
ClientSampleId :

Tot Ion: 75 Resp: 617486

Ion Ratio Lower Upper

75 100

77 32.0 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV015214.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV015214.D (-2850) (-)

10.30

400000

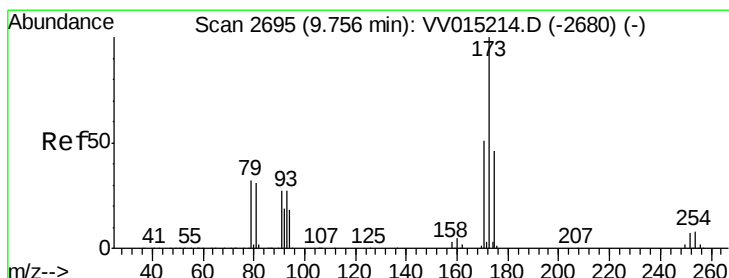
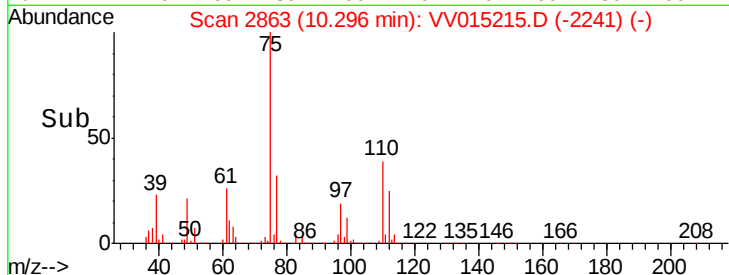
300000

200000

100000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 93.787 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV015215.D

Acq: 27 Mar 2020 20:01

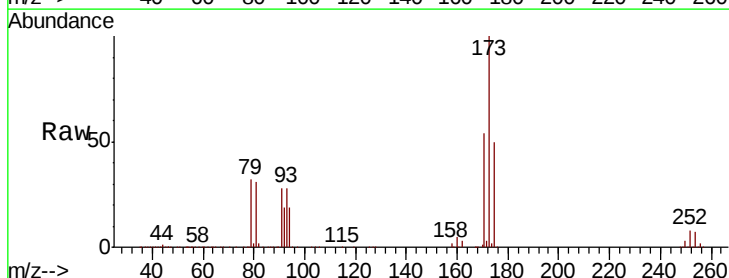
Tgt Ion: 173 Resp: 341181

Ion Ratio Lower Upper

173 100

175 48.8 37.6 56.4

254 7.3 5.5 8.3



Abundance Ion 173.00 (172.70 to 173.70): VV015214.D (-2680) (-)

Ion 175.00 (174.70 to 175.70): VV015214.D (-2680) (-)

Ion 254.00 (253.70 to 254.70): VV015214.D (-2680) (-)

9.75

250000

200000

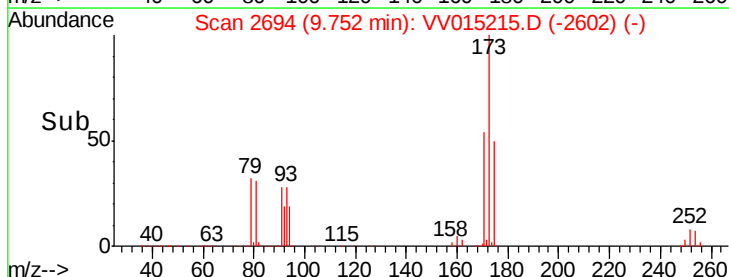
150000

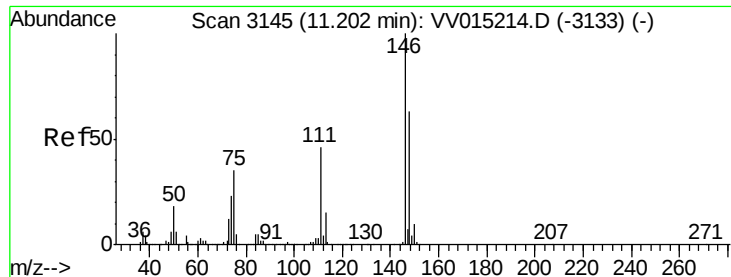
100000

50000

0

Time--> 9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 92.685 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015215.D

Acq: 27 Mar 2020 20:01

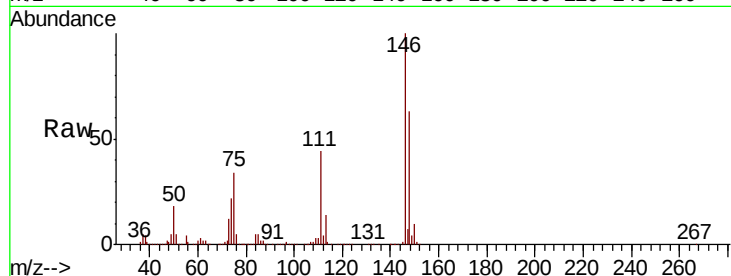
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146 Resp: 980154

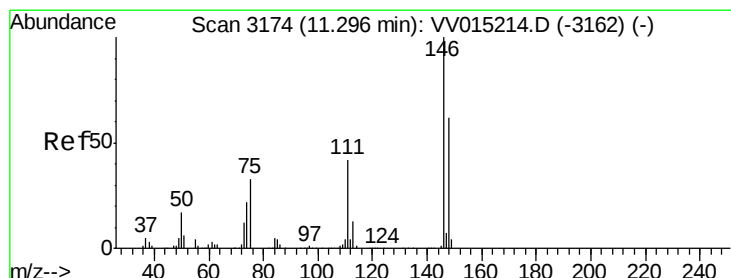
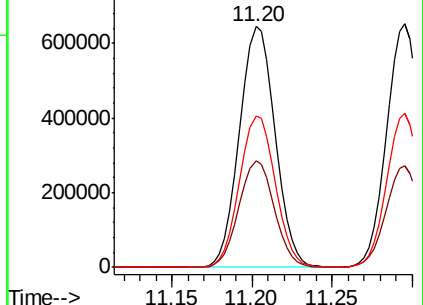
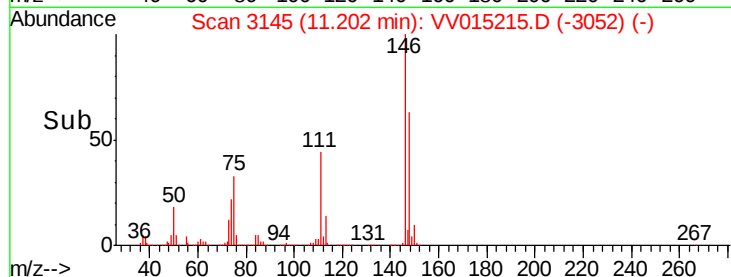
Ion	Ratio	Lower	Upper
146	100		
111	44.1	32.1	59.7
148	63.1	44.0	81.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 92.724 ug/L

RT: 11.30 min Scan# 3174

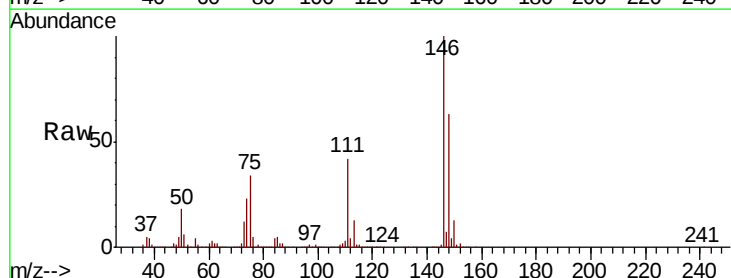
Delta R.T. -0.00 min

Lab File: VV015215.D

Acq: 27 Mar 2020 20:01

Tgt Ion:146 Resp: 991875

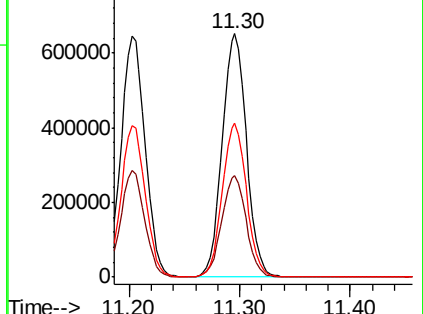
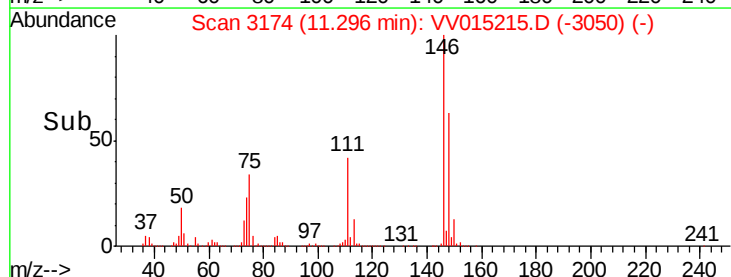
Ion	Ratio	Lower	Upper
146	100		
111	41.7	29.4	54.6
148	63.0	43.6	81.0

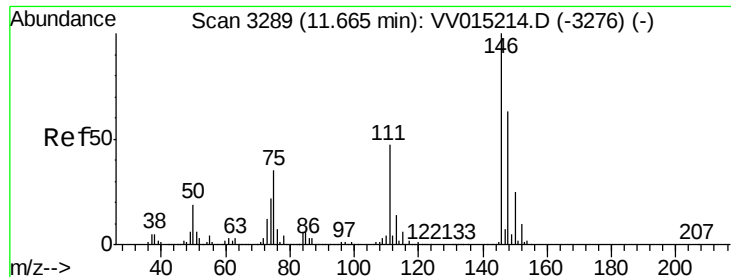


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

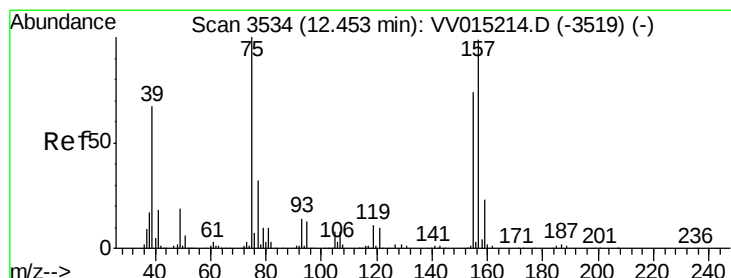
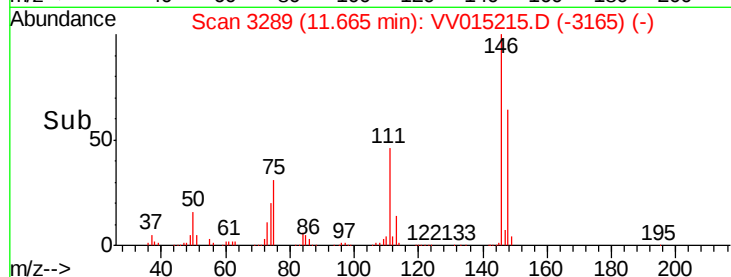
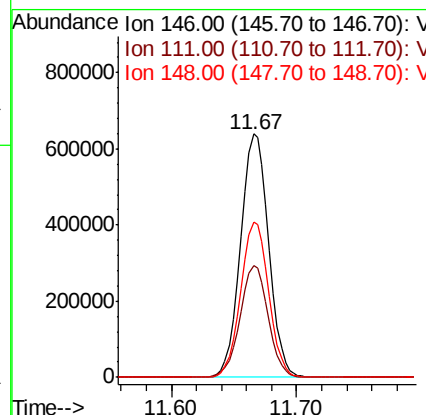
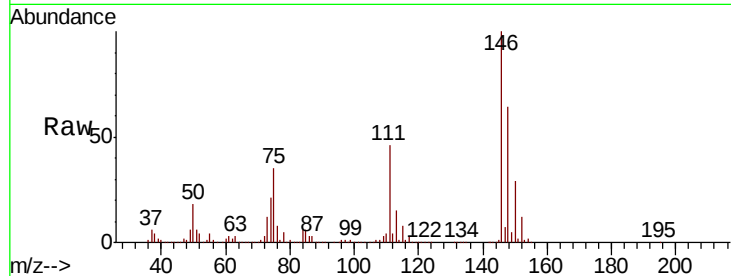




#65
 1,2-Dichlorobenzene
 Concen: 92.403 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV015215.D
 Acq: 27 Mar 2020 20:01

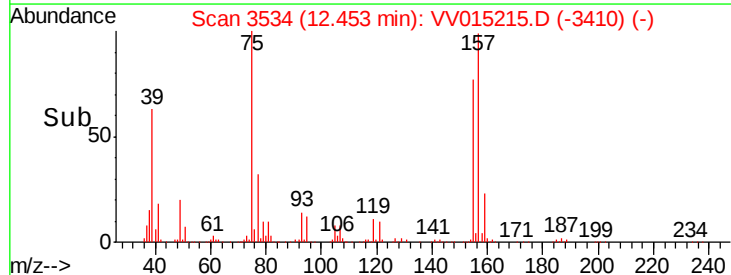
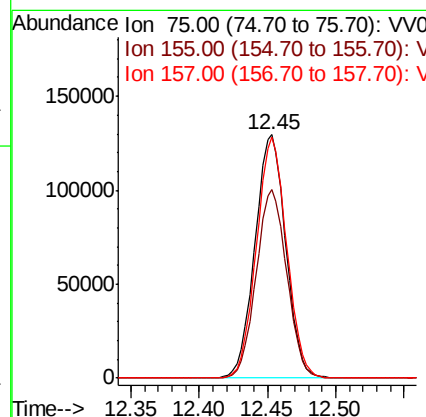
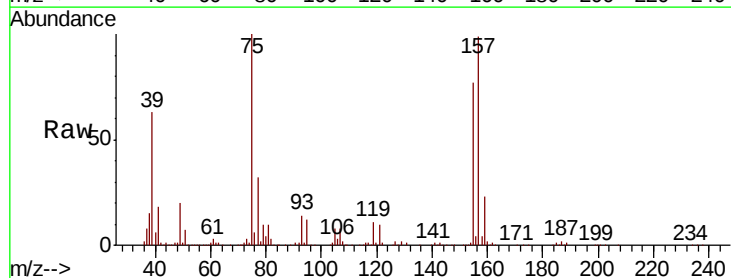
Instrument :
 MSVOA_V
 ClientSampleId :

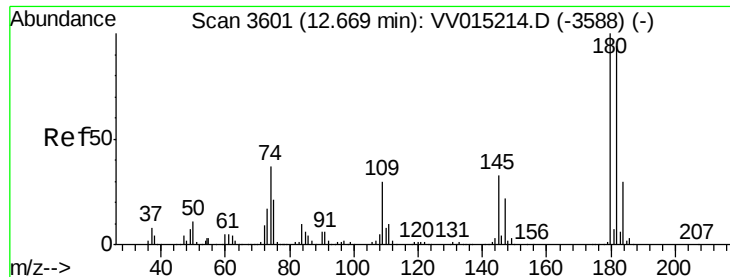
Tot Ion:146 Resp: 990145
 Ion Ratio Lower Upper
 146 100
 111 46.1 37.6 56.4
 148 63.7 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 85.707 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. -0.00 min
 Lab File: VV015215.D
 Acq: 27 Mar 2020 20:01

Tgt Ion: 75 Resp: 203112
 Ion Ratio Lower Upper
 75 100
 155 77.3 59.1 88.7
 157 99.0 78.9 118.3

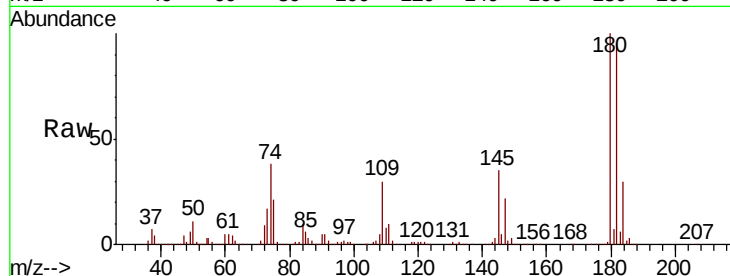




#67
 1,3,5-Trichlorobenzene
 Concen: 92.939 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015215.D
 Acq: 27 Mar 2020 20:01

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.4	113.0
184	29.9	23.8	35.8
145	33.9	26.9	40.3



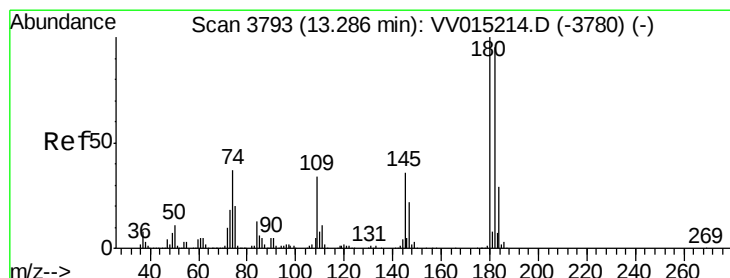
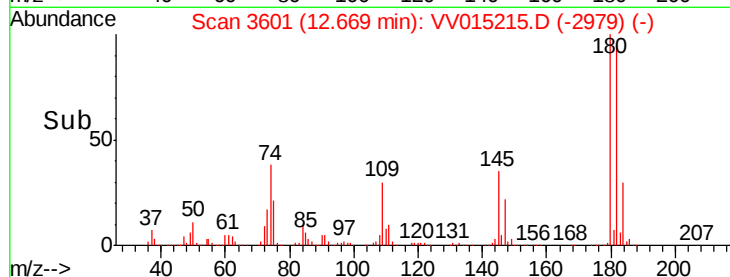
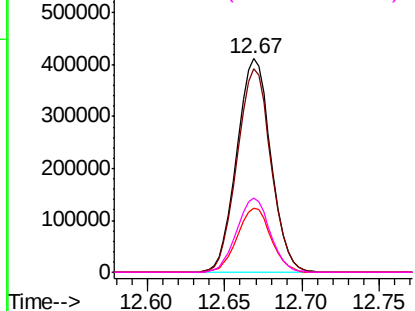
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

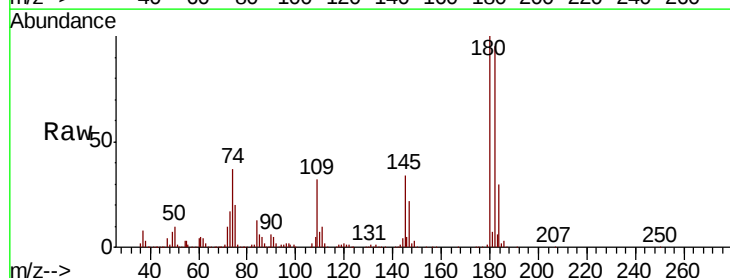
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 92.964 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015215.D
 Acq: 27 Mar 2020 20:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.5	113.3
145	34.4	28.5	42.7

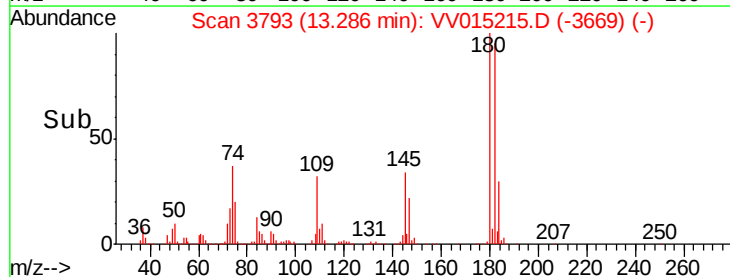
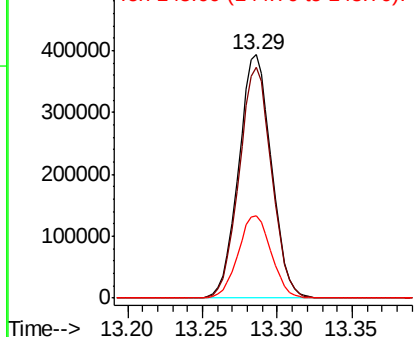


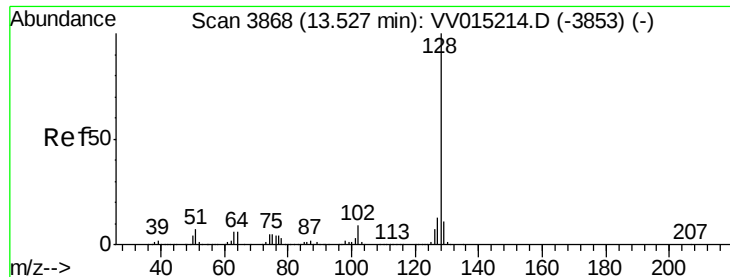
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 94.093 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015215.D

Acq: 27 Mar 2020 20:01

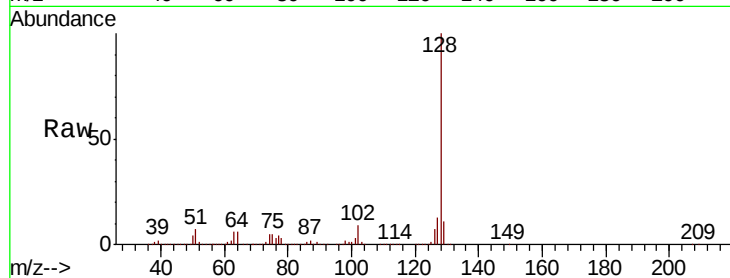
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 2420201

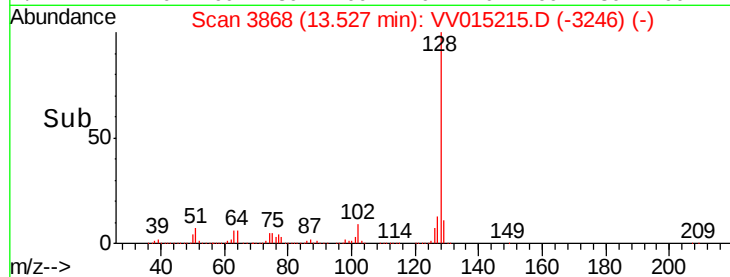
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.9	8.6	12.8



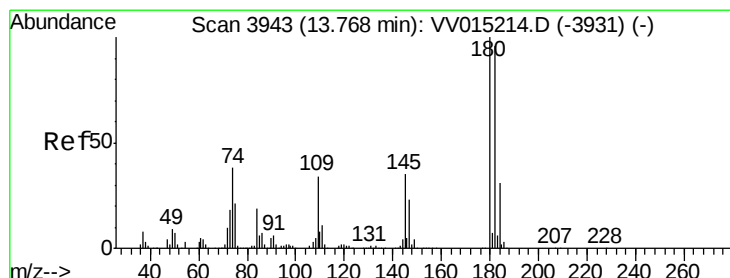
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time--> 13.40 13.50 13.60



#70

1,2,3-Trichlorobenzene

Concen: 95.380 ug/L

RT: 13.77 min Scan# 3943

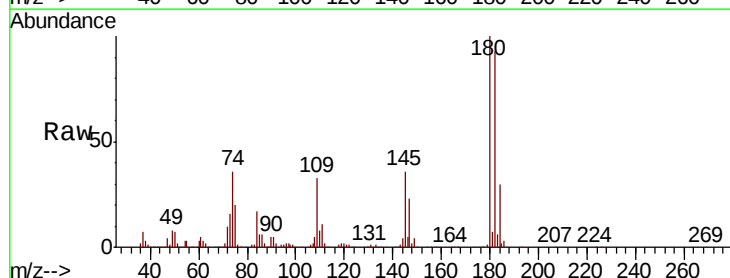
Delta R.T. -0.00 min

Lab File: VV015215.D

Acq: 27 Mar 2020 20:01

Tgt Ion:180 Resp: 614102

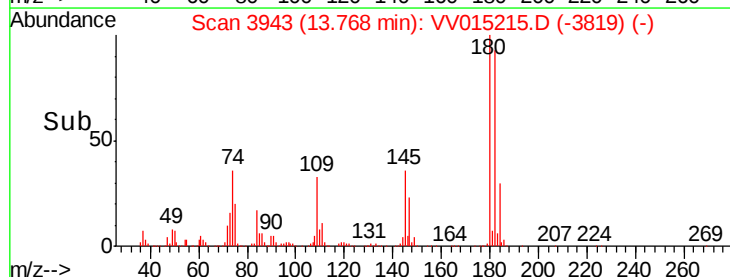
Ion	Ratio	Lower	Upper
180	100		
182	93.8	75.9	113.9
145	36.8	29.0	43.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



Time--> 13.70 13.80